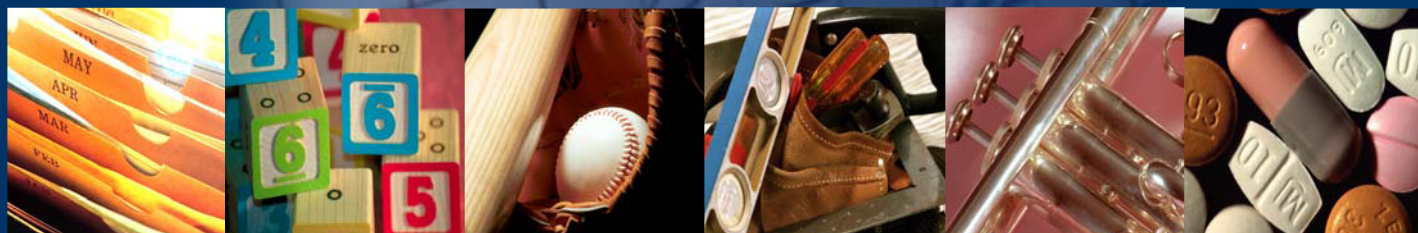


Career Grades Report • 2002-2012



Missouri Economic Research & Information Center



Dear Reader:

One of the most important components of today's economic development efforts is a skilled, well-educated, available workforce. In order to ensure Missouri's diverse business community has access to a quality labor pool and that Missourians have access to the skills and education they need to build quality careers and increase their personal income levels, each must have access to the most up-to-date labor market information.

The Missouri Department of Economic Development's research arm – the Missouri Economic Research and Information Center – provides comprehensive analysis and information on Missouri's labor market, demographic, and economic trends.

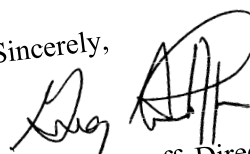
Missouri's Career Grade Report is MERIC's newest labor market study. The report presents a wide-ranging analysis of various occupations based on each vocation's economic outlook in Missouri from 2002 to 2012. As a result, MERIC has assigned each occupation an academic letter grade based on a combination of factors: job openings, percent growth and average wage. Grade-A designated jobs have the best outlook over the next decade, while Grade-F jobs have the worst outlook.

The Career Grade Report is designed to assist students, job seekers, displaced workers, educators and workforce professionals in choosing which careers have the best outlook in terms of having good growth, a large number of annual openings, and offer a family-supporting wage for job seekers. Missouri's local and regional partners will also benefit from the report's valuable insight as they prepare strategic economic development plans for the future.

Furthermore, the Career Grade Report will help advance Missouri Governor Matt Blunt's strategic economic development plan to target high paying, high-quality, family-supporting jobs, and increase the state's overall competitive advantage in the global marketplace.

I encourage you to delve into this report before you make your next career move and discover which jobs are hot and which ones are not.

Sincerely,



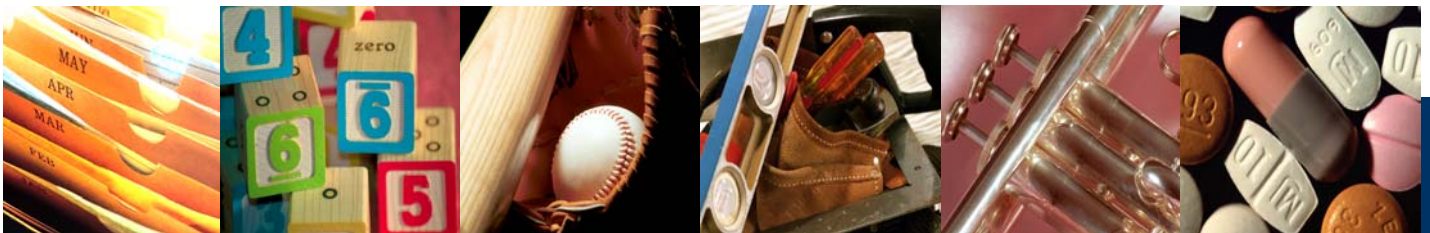
Greg Steinhoff, Director
Department of Economic Development



Career Grades Report

Table of Contents

Introduction.....	1
Career Education & Experience Requirements.....	2
Career Grades	
Grade A Careers.....	3
Grade B Careers.....	7
Grade C Careers.....	11
Grade D Careers.....	15
Grade F Careers.....	19
Data & Methods.....	23
Appendix.....	24
Acknowledgements.....	48



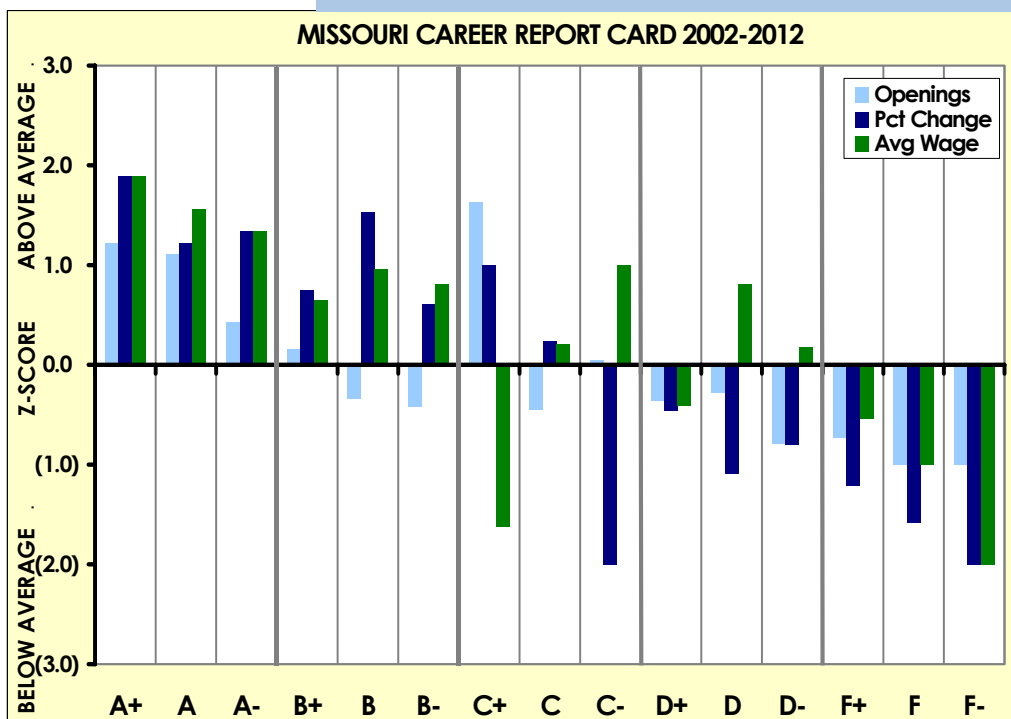
Introduction

"One of the most important components of today's economic development efforts is a skilled, well-educated, available workforce."

Missouri's Career Grade Report assigns academic letter grades to various occupations within the state based on each occupation's economic outlook over the next decade. Grade-A designated jobs have the best outlook from 2002-2012 while Grade-F jobs have the worst outlook. Grades are based on a combination of job openings, percent growth, and the average wages of a particular occupation.

The Career Grades are designed to assist students, job seekers, displaced workers, educators, and workforce professionals in

choosing which careers have the best outlook in terms of having good growth, a large number of annual openings, and offer a living salary for job seekers.



Career Education & Experience

Now...

Short/Moderate-Term On-the-Job Training

Occupations generally requiring short-term on-the-job training are those for which less than 1 month of training suffices. Jobs that generally require moderate-term on-the-job training are those that assume at training to last at least 1 month and no more than 12 months of training.

Next...

Associate's Degree/Vocational Education

Occupations requiring vocational education are those for which at least a few weeks or more than a year of vocational education is needed. Occupations that generally require completion of an associate's degree program usually require at least 2 years of full-time academic study.

Long-Term On-the-Job Training/Work Experience in a Related Occupation

Occupations requiring long-term on-the-job training are those for which more than a year of training is needed. Jobs that generally require work experience in a work-related occupation are assumed to require a level of skills and experience higher than that of jobs requiring long-term on-the-job training.

Later...

Doctoral/Master's/Professional Degree

Occupations that require completion of a master's degree program usually require 1 or 2 years of full-time equivalent study beyond a bachelor's degree whereas a doctoral degree program usually requires at least 3 years of academic work beyond a bachelor's degree. A professional degree usually requires at least 6 years of academic study.

Bachelor's Degree/Work Experience

Occupations that require completion of a bachelor's degree program usually requires 4 or 5 years of full-time academic work. Jobs that require work experience generally require work experience in an occupation that requires a bachelor's degree or higher.

The education and experience categories are designed to describe the most significant postsecondary education or training pathway to employment in an occupation. When an occupation has more than one pathway the category preferred by employers is chosen.

Categories of education and experience were derived from data collected by the U.S. Bureau of Labor Statistics based on a sample drawn from the Current Population Survey over 2000-2002. The sample data is used to construct estimates of the number of projected jobs that will be filled by those with varying levels of education for the 2002-2012 time period.



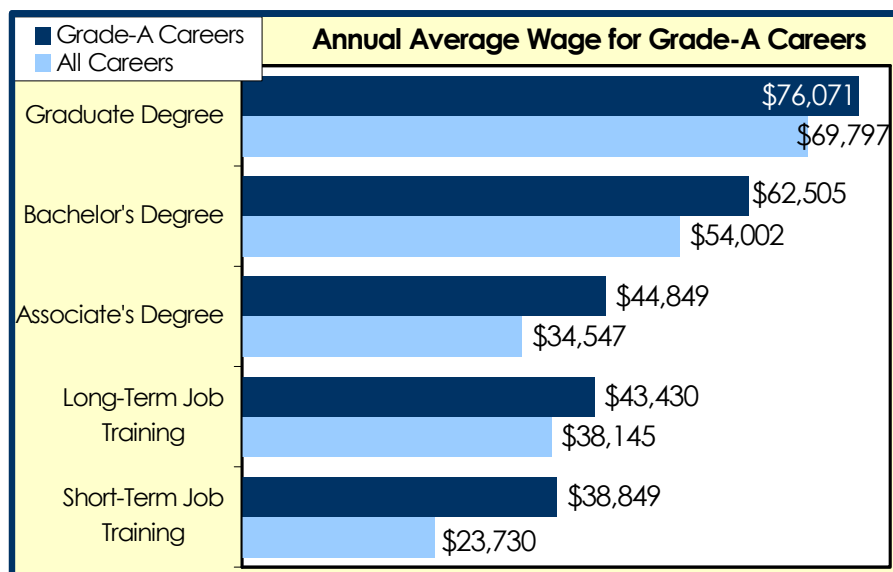
Grade A Careers:

Above average salaries, growth, and openings.

Most of the Grade-A Careers in Missouri will require higher education, particularly a college degree.

There were over 636,514 Missouri workers in 2002 that were employed in Grade-A careers, which constituted 22.2% of all employment statewide. Individuals that choose to pursue paths in Grade-A careers will find higher than average salaries considering that the average annual wage of a Grade-A career was \$52,083 in 2002, much higher than the average wage statewide of \$33,327.

The ability to find a Grade-A job in the next ten years will be relatively easy since there will be over 241,217 Grade-A career job openings between 2002-2012, a total 23.3% of all openings statewide.

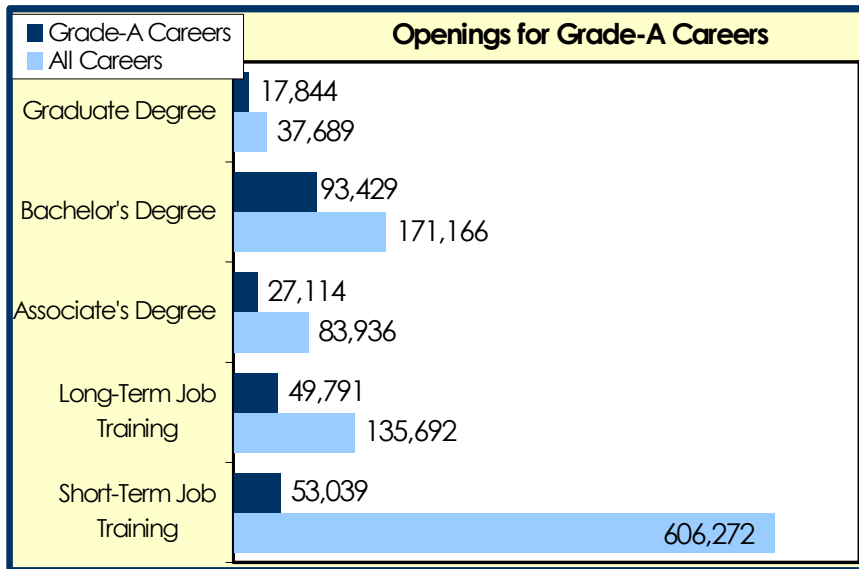


Growth in Grade-A Careers

These promising careers will see 18.8% percent growth between 2002-2012, much higher than the average growth statewide of 11.2%.

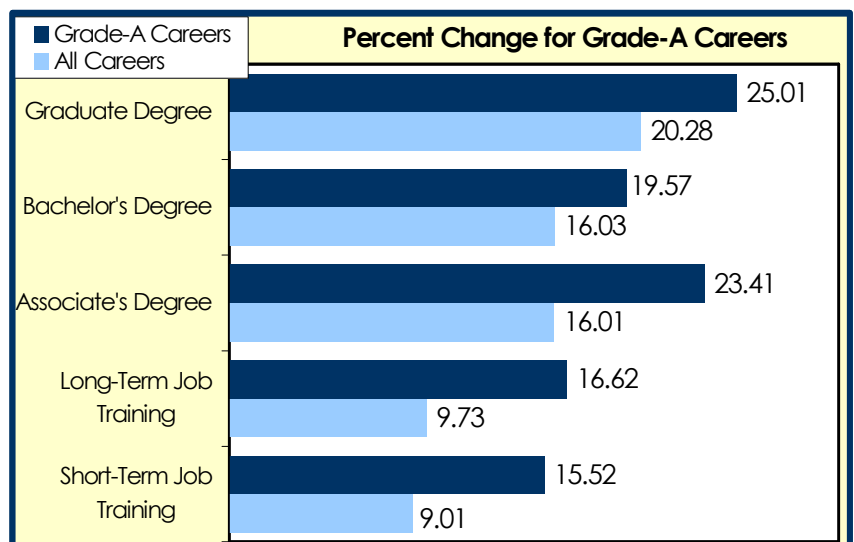
Most of the Grade-A careers will grow by 20% or more through 2012 and will require a graduate degree, an associate's or vocational degree, or a bachelor's degree.

Grade-A careers in Missouri will grow faster than the state average for similar trained careers from 2002-2012.



Of all Grade-A career openings in Missouri, 39% will require a bachelor's degree, 11% an associate's or vocational degree, and 7% a graduate degree. However, 21% of the Grade-A careers will require long-term on-the-job training while 22% will require short-term training.

All of the Grade-A careers in Missouri will grow faster than the average for similar trained careers.



Sales Managers

One of the top Grade-A careers, sales management, will have over 3,300 job openings in Missouri between 2002 and 2012. This career generally requires a bachelor's degree (or higher) plus several years of work experience in a work-related occupation. Individuals in this career path are paid an average annual salary of around \$78,930.

The position of sales manager entails the directing the distribution or movement of products or services to customers. Some of the most important KSA's (knowledge, skills, and abilities) for a sales manager are: sales and marketing, active listening, speaking, mathematics, and time management.



Occupations related to sales management include: business management, business marketing, and marketing research.

Registered Nurses

Another top Grade-A career, registered nursing, will have over 21,000 openings in Missouri between 2002 and 2012. This career generally requires an associate's degree. Individuals in this career path are paid an average annual salary of around \$44,830.

This position requires work in the assessment of patient health problems and needs, development and implementation of nursing care plans, and maintenance of records.

Some of the most important KSA's (knowledge, skills, and abilities) for a registered nurse are: medicine and dentistry, active listening, and problem sensitivity.

Occupations that are related to registered nursing are: chiropractors, medical assistants, nursing instructors/teachers, and podiatrists.



Operating Engineers

Yet another top Grade-A occupation, operating engineers, will have over 3,608 job openings in Missouri between 2002 and 2012. This career generally requires moderate-term on-the-job training and pays an average annual salary of around \$39,100.

To work as an operating engineer entails operating one or several types of power construction equipment to excavate, move, and grade earth.

The most critical KSA's for an operating engineer are: engineering knowledge, monitoring, and control precision. Occupations related to operating engineers are: construction laborers and earth drillers.

Top Grade-A Occupations

Now	Openings	Avg. Wage
Operating Engineers	3,608	\$39,100
Truck Drivers, Heavy and Tractor-Trailer	14,745	\$36,170
Sales Representatives, Wholesale and Manufacturing	10,435	\$47,490
Maintenance and Repair Workers, General	9,069	\$30,850
Construction Laborers	4,842	\$34,240

Next	Openings	Avg. Wage
Registered Nurses	21,823	\$44,830
Electricians	4,571	\$48,980
First-Line Supervisors/Managers of Construction Trades	3,598	\$50,040
Computer Support Specialists	3,438	\$40,430
Fire Fighters	3,414	\$46,510

Later	Openings	Avg. Wage
Business Operations Specialists, All Other	5,192	\$50,420
Computer Systems Analysts	3,619	\$58,720
Sales Managers	3,329	\$78,930
Computer and Information Systems Managers	2,808	\$76,770
Computer Software Engineers, Applications	2,731	\$68,320

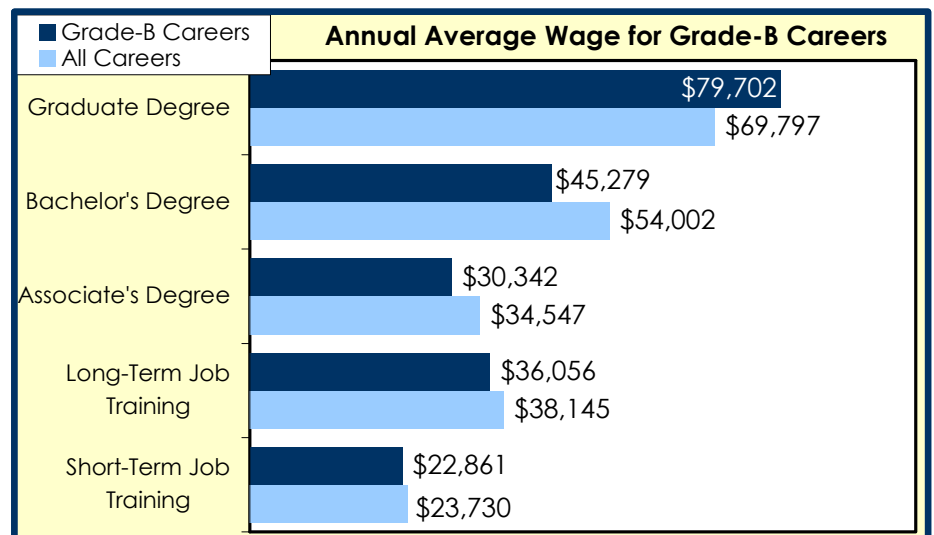


Grade B Careers:

Competitive salaries and high job growth.

Most Grade-B careers will require on-the-job training or a college degree.

There were over 913,120 Missouri workers in 2002 that were employed in Grade-B careers, which constituted 31.8% of all employment statewide. Individuals that choose to pursue paths in Grade-B careers will find competitive salaries considering that the average annual wage of a Grade-B career was \$33,056 in 2002, comparable to the average wage statewide (\$33,327). The ability to find a Grade-B job in the next ten years will be relatively easy since there will be over 339,206 Grade-B career job openings between 2002-2012, a total 32.8% of all openings statewide.

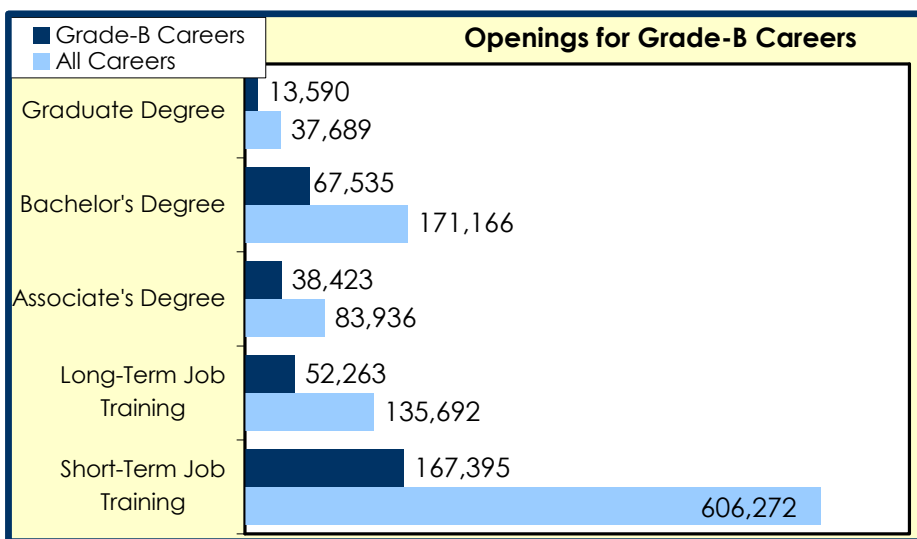


Growth in Grade-B Careers

These promising careers will see 15.4% percent growth between 2002-2012, much higher than the average growth statewide (11.2%).

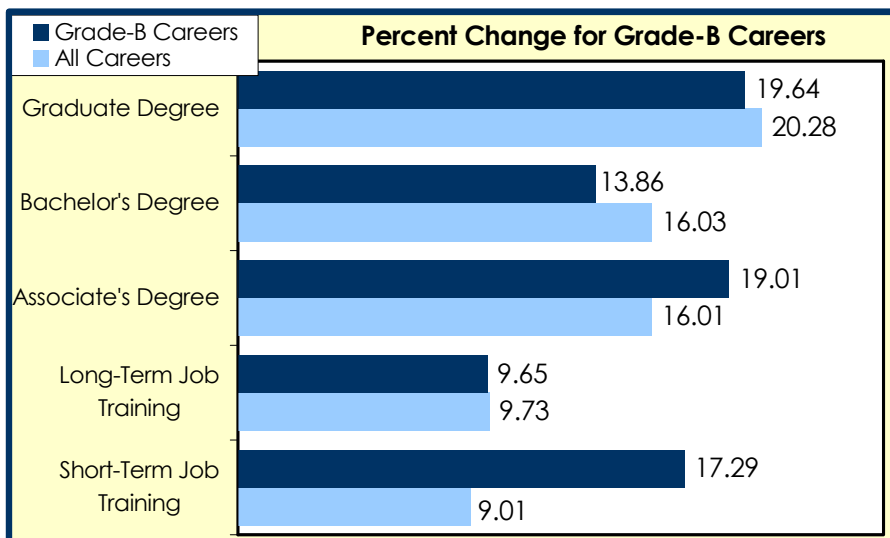
The Grade-B careers that will grow by 15% or more through 2012 will require a graduate degree, an associate's or vocational degree, or short-term on-the-job training.

Most Grade-B careers in Missouri will grow faster than the state average for similar trained careers from 2002-2012.



Of all Grade-B career openings in Missouri, 49% will require short-term on-the-job training and 16% long-term job training. However, 20% will require a bachelor's degree and 11% an associate's or vocational degree, while only 4% will require a graduate degree.

Most of the Grade-B careers in Missouri will grow faster than the average for similar trained careers.



Cement Masons

One of the top Grade-B careers, cement masons, will have over 1,583 job openings in Missouri between 2002 and 2012. This career generally requires moderate-term on-the-job training. Individuals in this career path are paid an average annual salary of around \$34,960.

The position of cement mason entails smoothing and finishing surfaces of poured concrete or curbs using a variety of hand and power tools. Cement masons also align forms for sidewalks, curbs, or gutters; patch voids.

Some of the most important KSA's (knowledge, skills, and abilities) for a cement mason are: building and construction, mathematics, operation analysis, and manual dexterity. Occupations related to cement masons are: brick masons, glaziers, pipe layers, and stonemasons.



Legal Secretaries

Another top Grade-B career, legal secretary, will have over 1,567 job openings in the state between 2002 and 2012. This career generally requires postsecondary vocational education and pays an average annual salary of \$34,840.

An individual working as a legal secretary would be expected to prepare legal papers and correspondence, such as summonses, complaints, motions, and subpoenas. This position may also entail assisting with legal research.

Many of the critical KSA's (knowledge, skills, and abilities) for a legal secretary are: law and government, reading comprehension, and oral comprehension. Occupations related to legal secretaries are: correspondence and law clerks, paralegals, and medical secretaries.

Elementary School Teachers

Yet another top Grade-B career, elementary school teachers, will have over 12,363 job openings in Missouri between 2002 and



2012. This career generally requires a Bachelor's Degree and pays an average annual salary of \$35,130.

This occupation entails teaching pupils in public or private schools at the elementary level, basic academic, social, and other formative skills. This occupation does not include "Special Education Teachers".

Knowledge, skills, and abilities important for this job are: education and training, speaking, and written comprehension. Related occupations include: librarians and instructional coordinators.

Top Grade-B Occupations

Now	Openings	Avg. Wage
Cement Masons and Concrete Finishers	1,583	\$34,960
Roofers	1,551	\$35,580
Carpet Installers	810	\$40,860
Surveying and Mapping Technicians	697	\$34,680
Excavating and Loading Machine and Dragline Operators	678	\$30,540
Next		
Automotive Service Technicians and Mechanics	7,061	\$31,860
Licensed Practical and Licensed Vocational Nurses	6,056	\$28,660
Welders, Cutters, Solderers, and Brazers	3,742	\$30,460
Bus and Truck Mechanics and Diesel Engine Specialists	2,415	\$33,200
Legal Secretaries	1,567	\$34,840
Later		
Elementary School Teachers, Except Special Education	12,363	\$35,130
Middle School Teachers, Except Special and Vocational Educ	4,529	\$36,060
Child, Family, and School Social Workers	2,120	\$29,280
Administrative Services Managers	2,103	\$49,300
Management Analysts	2,041	\$61,870

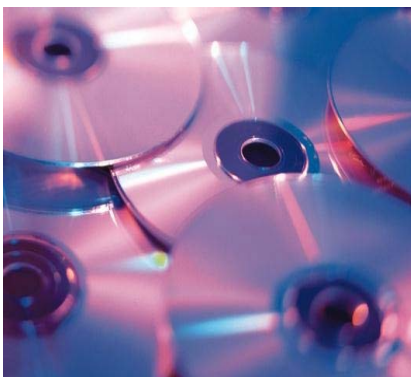
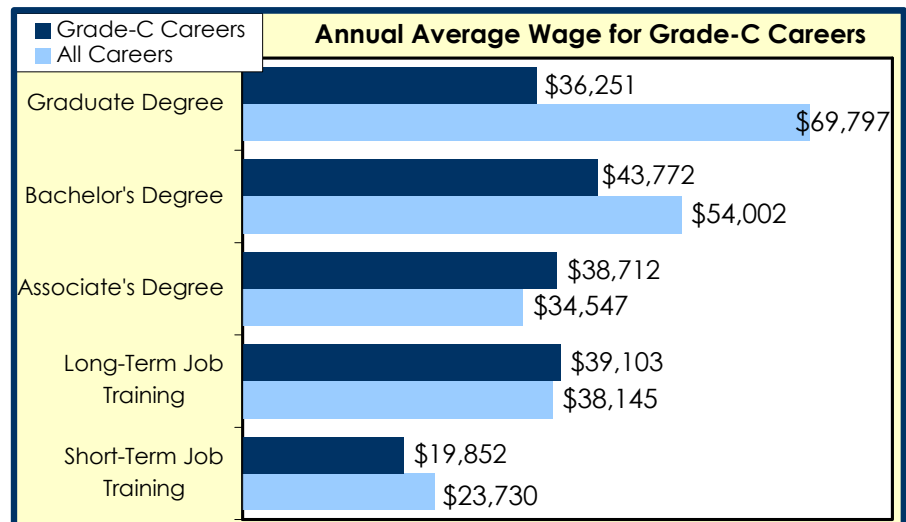


Grade C Careers:

Jobs with above average job growth.

Most
Grade-C
careers will
require
short-term
on-the-job
training.

There were over 448,576 Missouri workers in 2002 that were employed in Grade-C careers, which constituted 15.6% of all employment statewide. Individuals that choose to pursue paths in Grade-C careers will find significantly lower than average salaries considering that the average annual wage of a Grade-C career was \$24,476 in 2002, comparable to the average wage statewide (\$33,327). The ability to find a Grade-C job in the next ten years will be relatively easy since there will be over 210,078 Grade-C career job openings between 2002-2012, a total 20.3% of all openings statewide.

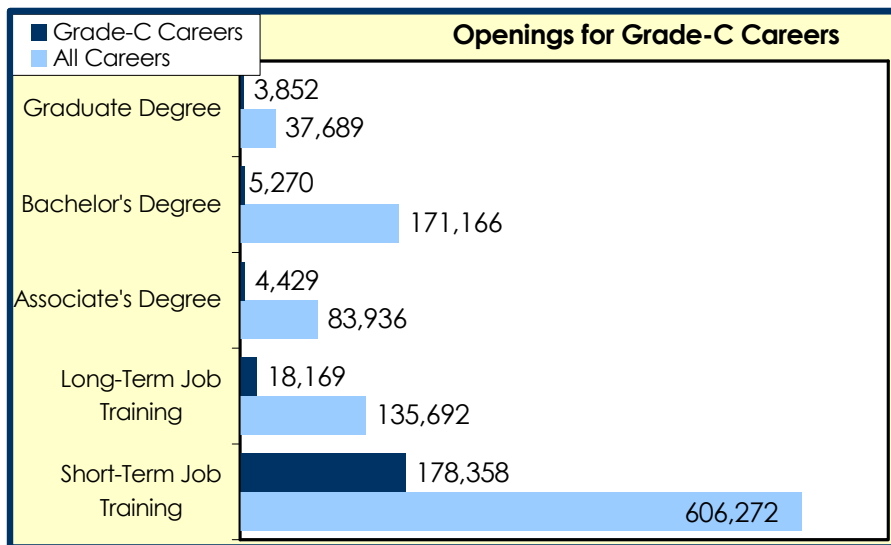


Growth in Grade-C Careers

These careers will see 13.3% percent growth between 2002-2012, somewhat higher than the average growth statewide (11.2%).

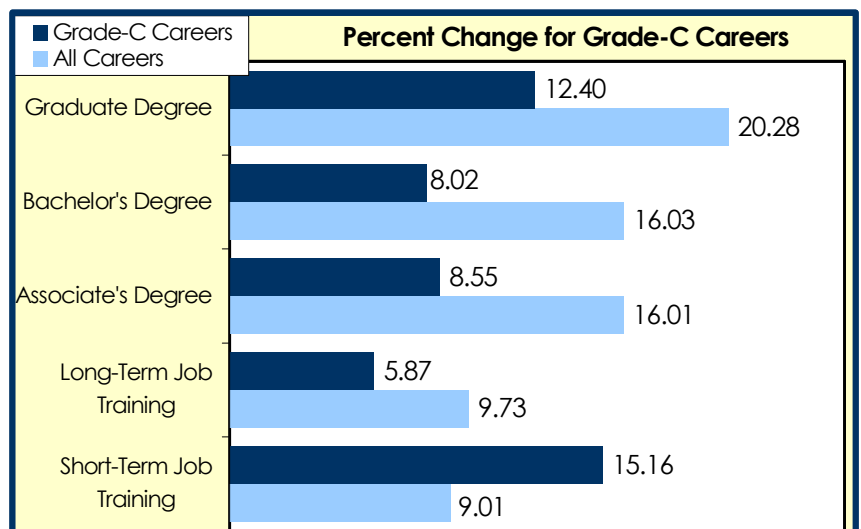
However, only Grade-C careers requiring an associate's degree pay higher than other jobs with the same degree.

Grade-C careers requiring an associate's degree will pay higher salaries than other jobs with the same degree in 2002-2012.



Of all Grade-C career openings in Missouri, 85% will require short-term on-the-job training and 9% long-term job training. Very few will require higher education, with only 4% requiring a bachelor's or graduate degree and only 2% an associate's or vocational degree.

Grade-C careers that pay the highest wages require a bachelor's degree, long-term on-the-job training, an associate's or vocational degree, or a graduate degree.



Food Preparation Workers

One of the top Grade-C careers, food preparation workers, will have over 6,723 job openings in Missouri between 2002 and 2012. This career generally requires short-term on-the-job training. Individuals in this career path are paid an average annual salary of around \$16,380.

The position of food preparation worker entails performing a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.

Some of the most important KSA's (knowledge, skills, and abilities) for a food preparation worker are: customer and personal service, active listening, and manual dexterity. Occupations related to food preparation are: fast food and short order cooks,



bartenders, and waiters and waitresses.

Automotive Body Repairers

Another top Grade-C career, automotive body repair, will have over 1,563 job openings in Missouri between 2002 and 2012. This career generally requires long-term on-the-job training and pays an average annual salary of \$38,350.

An automotive body repairer would be expected to repair and refinish automotive vehicle bodies and straighten vehicle frames.

KSA's (knowledge, skills, and abilities) that are critical for an automotive body repairer are: mechanics, troubleshooting, and control precision. Occupations related to automotive body repair are: maintenance workers and electric motor repairers.

Clergy

Yet another top Grade-C career, the clergy, will have over 2,055 job openings in Missouri between 2002 and 2012. This career generally requires a first professional



degree and pays an average annual salary of \$35,100.

This occupation entails conducting religious worship and the performance of other spiritual functions associated with beliefs and practices of a religious faith or denomination.

Knowledge, skills, and abilities important for a clergy position are: philosophy/theology, education/training, speaking, and speech clarity. Occupations related to the clergy are: pastoral counseling, theological research, and clinical/counseling guidance.

Top Grade-C Occupations

Now	Openings	Avg. Wage
Combined Food Preparation and Serving Workers, Including Waiters and Waitresses	35,622	\$14,830
Food Preparation Workers	31,820	\$15,120
Teacher Assistants	6,723	\$16,380
Personal and Home Care Aides	6,318	\$16,540
	5,183	\$16,150
Next		
Machinists	2,820	\$32,160
Food Service Managers	1,818	\$36,550
First-Line Supervisors/Managers of Non-Retail Sales Workers	1,754	\$50,120
Chefs and Head Cooks	1,738	\$24,910
Automotive Body and Related Repairers	1,563	\$38,350
Later		
Clergy	2,055	\$35,100
Librarians	1,180	\$37,170
Graphic Designers	1,091	\$36,300
Aerospace Engineers	662	ND
Insurance Underwriters	473	\$47,750

ND: Unable to disclose data due to U.S. Bureau of Labor Statistics confidentiality

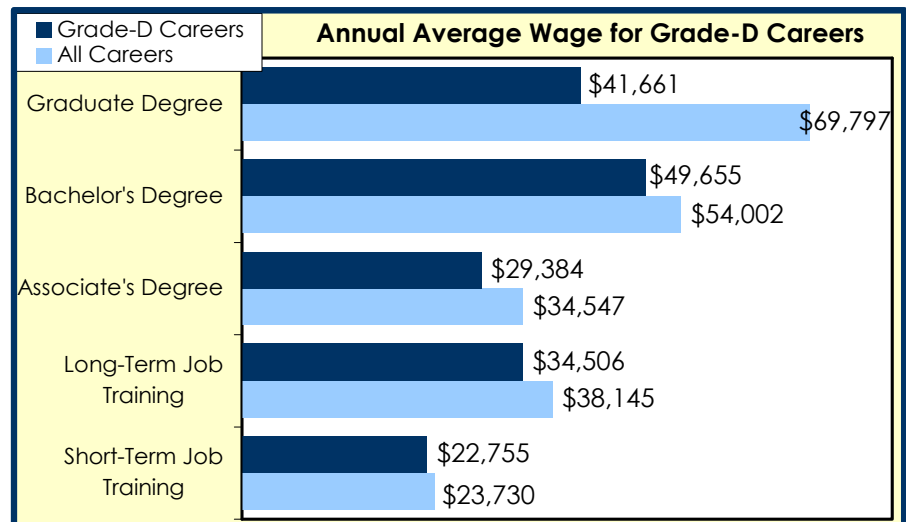


Grade D Careers:

Good wages with low openings and growth.

Most
Grade-D
careers will
require
short-term
on-the-job
training.

There were over 605,712 Missouri workers in 2002 that were employed in Grade-D careers, which constituted 21.1% of all employment statewide. Individuals that choose to pursue paths in Grade-D careers will find significantly lower than average salaries considering that the average annual wage of a Grade-D career was \$24,544 in 2002, comparable to the average wage statewide (\$33,327). The ability to find a Grade-D job in the next ten years will be relatively easy since there will be over 176,269 Grade-D career job openings between 2002-2012, a total 17.0% of all openings statewide.

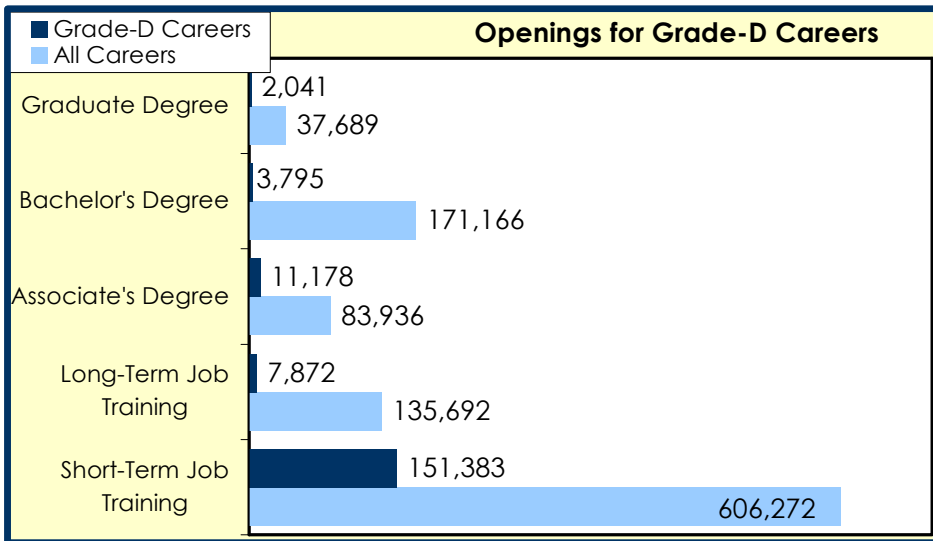


Growth in Grade-D Careers

These careers will see 2.2% percent growth between 2002-2012, significantly lower than the average growth statewide (11.2%).

However, all Grade-D careers are expected to grow much slower than other jobs with similar training, especially those requiring higher education.

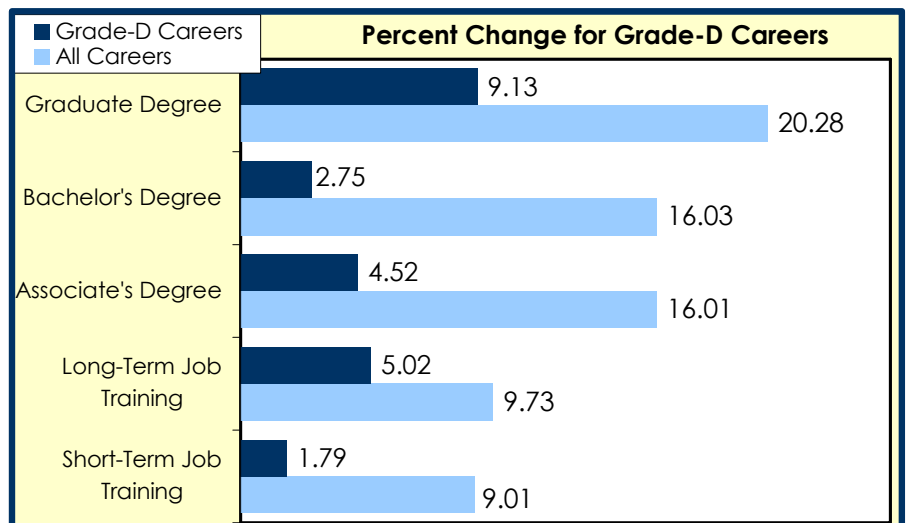
Grade-D careers in Missouri will grow slower than the state average for similar trained careers from 2002-2012.



Of all Grade-D career openings in Missouri, 86% will require short-term on-the-job training and 5% long-term job training.

Very few will require higher education, with only 3% requiring a bachelor's or graduate degree and only 6% an associate's or vocational degree.

The fastest growing Grade-D careers through 2012 will require a graduate degree.



Vocational Education Teachers (Middle School)

One of the top Grade-D careers, vocational education teachers, will have over 80 job openings in Missouri between 2002 and 2012. This career generally requires a bachelor's degree or higher plus experience in a work related occupation. Individuals in this field are paid an average annual salary of around \$35,720.

The position of vocational education teacher entails teaching or instructing vocational or occupational subjects at the middle school level. Some of the most important KSA's (knowledge, skills, and abilities) for a vocational education teacher are: education and training, instructing, and oral expression.



Occupations related to this career are: vocational agricultural education and vocational business education.

Postal Service Mail Sorters

Another top Grade-D career, postal service mail sorter, will have over 1,730 job openings in Missouri between 2002 and 2012. This career generally requires short-term on-the-job training and pays an average annual salary of \$34,180.

A postal service mail sorter might be expected to prepare incoming and outgoing mail for distribution. Those applying for this occupation must complete a competitive exam. Some of the most important KSA's (knowledge, skills, and abilities) for a post office mail sorter are: clerical knowledge, service orientation, and number facility.

Occupations related to this career are: counter and rental clerks and library technicians.



Real Estate Sales Agents

Yet another top Grade-D career, real estate sales agent, will have over 923 job openings in Missouri between 2002 and 2012. This career generally requires postsecondary vocational training and pays an average annual salary of \$38,370.

This occupation entails renting, buying, or selling property for clients. Agents may perform duties such as studying property listings, interviewing prospective clients, and drawing up real estate contracts.

The most important KSA's for this job are: customer/personal service, active listening, and oral expression. Related occupations include: advertising sales agents, driver/sales worker, and insurance sales agent.

Top Grade-D Occupations

Now	Openings	Avg. Wage
Hotel, Motel, and Resort Desk Clerks	1,979	\$16,300
Meat, Poultry, and Fish Cutters and Trimmers	1,875	\$18,850
Production Workers, All Other	1,871	\$32,450
Postal Service Mail Sorters, Processors, and Processing Machir	1,730	\$34,180
Amusement and Recreation Attendants	1,644	\$15,600
Next		
First-Line Supervisors/Managers of Housekeeping and Janitori	2,092	\$27,450
Medical Secretaries	1,851	\$23,410
Medical and Clinical Laboratory Technicians	1,718	\$26,140
Bakers	1,082	\$20,800
Real Estate Sales Agents	923	\$38,370
Later		
Rehabilitation Counselors	1,211	\$26,440
Dietitians and Nutritionists	404	\$37,610
Adult Literacy, Remedial Education, and GED Teachers and I	346	\$34,760
Survey Researchers	105	\$28,560
Vocational Education Teachers, Middle School	81	\$35,720

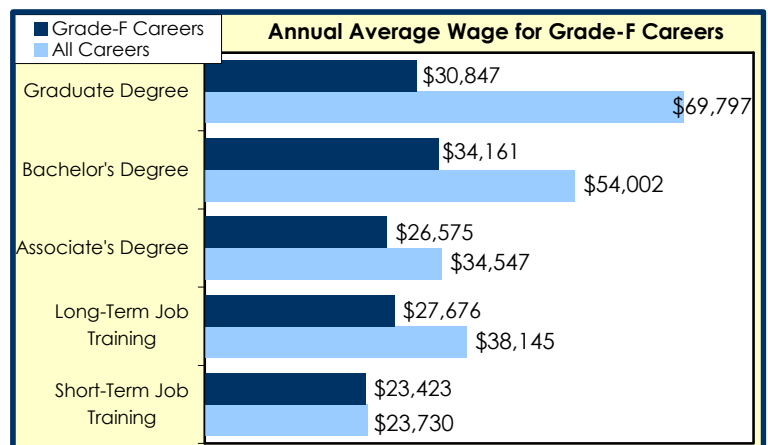


Grade F Careers:

Below average wages, growth and openings.

Most
Grade-F
careers will
require
short-term
on-the-job
training.

There were over 267,231 Missouri workers in 2002 that employed in Grade-F careers, which constituted 9.3% of all employment statewide. Individuals that choose to pursue paths in Grade-F careers will find significantly lower than average salaries considering that the average annual wage of a Grade-F career was \$24,345 in 2002, comparable to the average wage statewide (\$33,327). The ability to find a Grade-F job in the next ten years will be relatively difficult since there will be only 67,985 Grade-F career job openings between 2002-2012, a total 6.6% of all openings statewide.

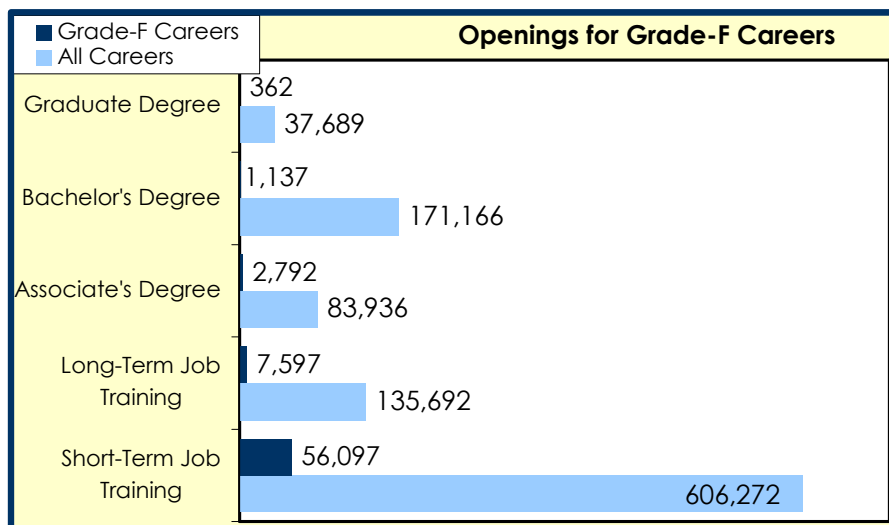


Growth in Grade-F Careers

These careers will see –4.1% percent growth between 2002-2012, significantly lower than the average growth statewide (11.2%).

However, Grade-F careers requiring a graduate degree will experience small job growth.

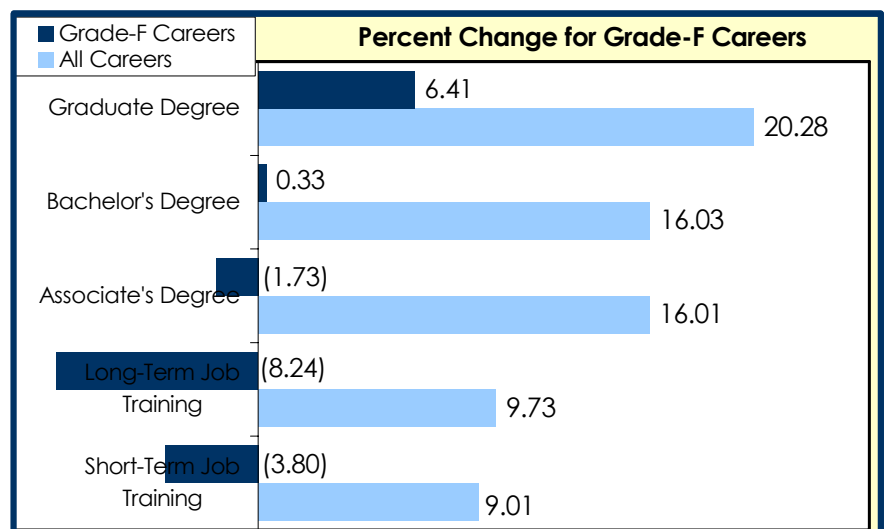
Nearly all Grade-F careers in Missouri will experience declining employment from 2000 to 2012.



Of all Grade-F career openings in Missouri, 83% will require short-term on-the-job training and 11% long-term job training.

Very few of these careers will require higher education, with only 2% requiring a bachelor's or graduate degree and only 4% an associate's or vocational degree.

Nearly all Grade-F careers will have declining employment levels over the next decade; and all are expected to grow much slower than other jobs with similar training.

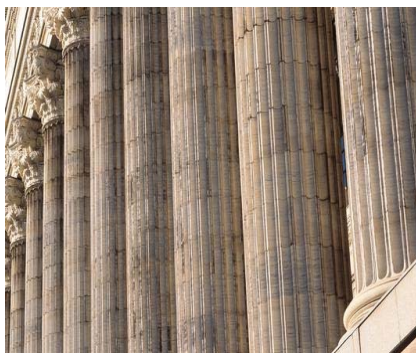


Archivists, Curators, and Museum Technicians

One of the top Grade-F careers; archivists, curators, and museum technicians, will have over 336 job openings in Missouri between 2002 and 2012. This career generally requires a master's degree and pays an average annual salary of around \$30,550.

The position of archivist, curator, and museum technician entails the administration of the affairs of a museum and the conducting of research programs. Duties may include directing the instructional, research, and public service activities of an institution.

Important KSA's for this career include: active listening, reading comprehension, and clerical skills.



Occupations related to archivists, curators, and museum technicians are: historians, urban/regional planners, and park naturalists.

Cutting/Press Machine Operators

Another top Grade-F career, cutting/press machine operators, will have over 2,037 job openings in the state between 2002 and 2012. This career generally requires moderate-term on-the-job training and pays an average annual salary of \$25,020.

This position entails setting up, operating, or tending machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.

Some of the most important KSA's (knowledge, skills, and abilities) for a cutting/press machine operator are: physics, operation monitoring, and visualization.

Travel Agents

Yet another top Grade-F career, travel agents, will have over 529 job openings



in Missouri between 2002 and 2012. This career generally requires postsecondary vocational education and pays an average annual salary of \$26,110.

This occupation entails the planning and selling of transportation and accommodations for travel agency customers. Travel agents may determine destination, modes of transportation, travel dates, costs, and accommodations required for a customer.

Some of the most important KSA's for a travel agent are: customer service, active listening, and speech clarity. Related occupations include: flight attendants, travel guides, and couriers/messengers.

Top Grade-F Occupations

Now	Openings	Avg. Wage
Billing and Posting Clerks and Machine Operators	2,199	\$25,780
Laundry and Dry-Cleaning Workers	2,118	\$16,670
Data Entry Keyers	2,057	\$21,860
Cutting, Punching, and Press Machine Setters, Operators, and Tenders	2,037	\$25,020
Order Clerks	1,760	\$24,720
Next		
Cabinetmakers and Bench Carpenters	1,290	\$25,020
Gaming Dealers	760	\$20,520
Photographers	687	\$26,500
Announcers	536	\$27,180
Travel Agents	529	\$26,110
Later		
Multi-Media Artists and Animators	343	\$35,730
Archivists, Curators, and Museum Technicians	336	\$30,550
Legal and Related Workers, All Other (OES Only)	308	\$37,210
Legislators	205	\$30,670
Recreational Therapists	175	\$29,360



Data & Methods

Occupations were graded based on a combination of job openings, percent growth, and average annual wages over the next 10 years. Standardized values for each of the three variables were created and grades were assigned based upon a standardized index of job openings, percent growth, and average wages. Grade-A designated jobs have the best outlook from 2002-2012 while Grade-F jobs have the worst outlook.

The data for this analysis comes from two principal sources. Occupational wage data for Missouri was taken from Occupational Employment Statistics (OES), maintained by the Missouri Department of Economic Development and the U.S. Department of Labor. Occupational employment data for Missouri was taken from Occupational Employment Projections, maintained by the Missouri Department of Economic Development and the U.S. Bureau of Labor Statistics.

Occupational Employment Statistics (OES)

The Occupational Employment Statistics (OES) program conducts a yearly mail survey designed to produce estimates of employment and wages for specific occupations. The OES program collects data on wage and salary workers in non-farm establishments in order to produce employment and wage estimates for over 700 occupations. Data from self-employed persons are not collected and are not included in the estimates. The OES program produces these occupational estimates by geographic area and by industry. Estimates based on geographic areas are available at the national, state and metropolitan area levels. Occupational employment and wage estimates for over 400 industry classifications are also available. The Missouri Department of Economic Development conducts the OES survey for the State of Missouri. Each year more than 10,000 employers will be surveyed through random selection based on their industrial classification, size and geographic location. In addition to the statewide data, there are tabulations for each of the state's six metropolitan statistical areas and thirteen Local Workforce Investment Areas.

Occupational Employment Projections

Occupational employment projections are developed using data from Missouri's occupational employment and wage survey along with information provided by the U.S. Bureau of Labor Statistics. OES data is the basis for the occupational data used in the projections. The data collected reflect the Standard Occupational Classification (SOC). Many occupations are not identified separately in the SOC and are included in aggregate categories. Employment may not be sufficient to warrant the development of occupational projections in every occupation in each state, or the data may be confidential. The U.S. Employment and Training Administration provides funding for the employment projections program.

Appendix

The following pages contain comprehensive data tables for the 762 Standard Occupational Classification (SOC)-based occupations in Missouri that were graded for this report. Each table contains an occupation's: career grade, SOC code, occupational description, job openings, percent growth, average annual wage, level of education/experience typically required, and percent of individuals working in that occupation that have acquired a bachelor's degree or higher.

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
A+	29-1051	Pharmacists	2,287	27.83	\$73,100	First professional degree	94.84
A+	11-3021	Computer & Information Systems Managers	2,808	29.13	\$76,770	BA or higher degree, plus work exp.	70.37
A+	11-2022	Sales Managers	3,329	23.63	\$78,930	BA or higher degree, plus work exp.	67.16
A+	11-9111	Medical & Health Services Managers	2,437	25.48	\$65,330	BA or higher degree, plus work exp.	61.02
A+	15-1031	Computer Software Engineers, Applications	2,731	31.67	\$68,320	Bachelor's degree	80.70
A+	15-1051	Computer Systems Analysts	3,619	24.01	\$58,720	Bachelor's degree	62.44
A+	15-1081	Network Systems & Data Communications Analysts	2,377	45.94	\$59,300	Bachelor's degree	57.55
A+	13-1199	Business Operations Specialists, All Other	5,192	17.80	\$50,420	Bachelor's degree	55.70
A+	29-1111	Registered Nurses	21,823	22.65	\$44,830	Associate degree	58.09
A	23-1011	Lawyers	3,570	17.53	\$108,770	First professional degree	97.77
A	11-3031	Financial Managers	3,589	15.37	\$70,670	BA or higher degree, plus work exp.	61.30
A	13-2072	Loan Officers	2,345	20.29	\$49,230	Bachelor's degree	50.28
A	11-9021	Construction Managers	2,447	15.15	\$62,520	Bachelor's degree	28.01
A	15-1041	Computer Support Specialists	3,438	22.12	\$40,430	Associate degree	41.77
A	47-1011	First-Line Supervisors/Managers of Construction Trades	3,598	16.76	\$50,040	Work experience in a related occupation	10.13
A	33-2011	Fire Fighters	3,414	25.83	\$46,510	Long-term on-the-job training	16.31
A	47-2111	Electricians	4,571	18.70	\$48,980	Long-term on-the-job training	6.14
A	47-2073	Operating Engineers & Other Construction Equipment Op.	3,608	15.16	\$39,100	Moderate-term on-the-job training	2.38
A-	29-1062	Family & General Practitioners	1,059	18.45	\$131,910	First professional degree	96.89
A-	19-3031	Clinical, Counseling, & School Psychologists	779	22.59	\$57,410	Doctoral degree	99.39
A-	19-1042	Medical Scientists, Except Epidemiologists	ND	ND	ND	Doctoral degree	97.68
A-	25-1072	Nursing Instructors & Teachers, Postsecondary	611	29.26	\$46,250	Doctoral degree	89.76
A-	25-1081	Education Teachers, Postsecondary	505	32.25	\$43,520	Doctoral degree	89.76
A-	25-1199	Postsecondary Teachers, All Other	821	29.35	\$48,370	Doctoral degree	89.76
A-	29-1127	Speech-Language Pathologists	925	24.93	\$49,340	Master's degree	96.96
A-	29-1123	Physical Therapists	1,093	27.43	\$53,400	Master's degree	91.43
A-	25-1011	Business Teachers, Postsecondary	1,016	32.84	\$53,520	Master's degree	89.76
A-	25-1021	Computer Science Teachers, Postsecondary	594	31.93	\$44,150	Master's degree	89.76
A-	25-1022	Mathematical Science Teachers, Postsecondary	602	31.33	\$48,170	Master's degree	89.76
A-	25-1121	Art, Drama, & Music Teachers, Postsecondary	725	34.52	\$44,200	Master's degree	89.76
A-	25-1123	English Language & Literature Teachers, Postsecondary	645	32.01	\$46,290	Master's degree	89.76
A-	25-1071	Health Specialties Teachers, Postsecondary	ND	ND	ND	Master's degree	89.76
A-	25-9031	Instructional Coordinators	527	19.95	\$45,400	Master's degree	84.63
A-	11-9033	Education Administrators, Postsecondary	783	19.75	\$71,400	BA or higher degree, plus work exp.	73.53
A-	11-9032	Education Administrators, Elementary & Secondary School	2,111	20.32	\$67,010	BA or higher degree, plus work exp.	73.53

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
A-	11-2031	Public Relations Managers	500	16.75	\$61,970	BA or higher degree, plus work exp.	70.56
A-	11-2011	Advertising & Promotions Managers	766	17.14	\$60,010	BA or higher degree, plus work exp.	69.86
A-	11-1011	Chief Executives	5,417	14.22	\$122,350	BA or higher degree, plus work exp.	62.77
A-	11-1021	General & Operations Managers	15,036	14.09	\$72,450	BA or higher degree, plus work exp.	48.35
A-	25-2031	Secondary School Teachers, Except Special & Vocational Education	11,218	17.44	\$35,770	Bachelor's degree	94.91
A-	25-2041	Special Ed. Teachers, Preschool, Kindergarten, & Elementary School	2,682	28.22	\$33,930	Bachelor's degree	90.22
A-	17-1011	Architects, Except Landscape & Naval	881	24.35	\$60,250	Bachelor's degree	87.23
A-	29-1122	Occupational Therapists	776	29.94	\$51,010	Bachelor's degree	86.10
A-	29-1199	Health Diagnosing & Treating Practitioners, All Other	773	17.77	\$58,570	Bachelor's degree	83.26
A-	13-2052	Personal Financial Advisors	1,897	52.02	\$58,450	Bachelor's degree	81.81
A-	15-1032	Computer Software Engineers, Systems Software	1,505	35.93	\$66,890	Bachelor's degree	80.70
A-	13-2051	Financial Analysts	848	16.07	\$61,390	Bachelor's degree	78.23
A-	27-3031	Public Relations Specialists	1,151	26.34	\$40,000	Bachelor's degree	77.83
A-	13-2011	Accountants & Auditors	6,661	11.98	\$47,660	Bachelor's degree	73.61
A-	15-1061	Database Administrators	949	35.27	\$56,550	Bachelor's degree	67.14
A-	41-3031	Securities, Commodities, & Financial Services Sales Agents	1,439	15.71	\$65,210	Bachelor's degree	67.09
A-	21-2021	Directors, Religious Activities & Education	944	23.17	\$50,210	Bachelor's degree	56.97
A-	13-1072	Compensation, Benefits, & Job Analysis Specialists	926	24.77	\$43,060	Bachelor's degree	55.70
A-	13-1073	Training & Development Specialists	1,584	20.00	\$43,160	Bachelor's degree	55.70
A-	15-1071	Network & Computer Systems Administrators	2,199	30.17	\$52,660	Bachelor's degree	50.17
A-	29-2011	Medical & Clinical Laboratory Technologists	1,509	16.40	\$41,320	Bachelor's degree	49.73
A-	15-1099	Computer Specialists, All Other	722	25.05	\$56,940	Associate degree	62.44
A-	29-2021	Dental Hygienists	1,131	46.89	\$55,200	Associate degree	32.12
A-	33-3021	Detectives & Criminal Investigators	901	22.20	\$43,400	Work experience in a related occupation	55.58
A-	13-1051	Cost Estimators	1,712	16.39	\$49,890	Work experience in a related occupation	28.81
A-	33-1012	First-Line Supervisors/Managers of Police & Detectives	1,068	17.86	\$48,210	Work experience in a related occupation	28.43
A-	33-1021	First-Line Supervisors/Managers of Fire Fighting & Prevention Workers	919	24.31	\$53,940	Work experience in a related occupation	25.04
A-	47-4011	Construction & Building Inspectors	500	17.84	\$39,790	Work experience in a related occupation	22.44
A-	51-1011	First-Line Supervisors/Managers of Production & Operating Workers	4,877	9.94	\$41,710	Work experience in a related occupation	12.50
A-	49-1011	First-Line Supervisors/Managers of Mechanics, Installers, & Repairers	3,922	13.48	\$47,000	Work experience in a related occupation	12.13
A-	27-2022	Coaches & Scouts	2,043	17.85	\$38,890	Long-term on-the-job training	59.74
A-	27-2042	Musicians & Singers	1,310	17.23	\$48,620	Long-term on-the-job training	52.90
A-	33-3051	Police & Sheriff's Patrol Officers	6,371	29.42	\$29,690	Long-term on-the-job training	27.77
A-	47-2031	Carpenters	8,258	11.90	\$41,070	Long-term on-the-job training	5.13
A-	47-2152	Plumbers, Pipefitters, & Steamfitters	3,587	13.71	\$46,880	Long-term on-the-job training	4.16

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
A-	49-9021	Heating, Air Conditioning, & Refrigeration Mechanics & Installers	1,665	25.65	\$39,340	Long-term on-the-job training	3.62
A-	47-2221	Structural Iron & Steel Workers	1,075	16.95	\$45,150	Long-term on-the-job training	1.30
A-	41-4011	Sales Representatives, Wholesale & Manuf., Tech. & Sci. Products	3,296	14.59	\$58,710	Moderate-term on-the-job training	48.52
A-	41-4012	Sales Representatives, Wholesale & Manuf., Except Tech. & Sci.	10,435	13.58	\$47,490	Moderate-term on-the-job training	48.52
A-	41-9099	Sales & Related Workers, All Other	3,401	17.77	\$37,400	Moderate-term on-the-job training	47.06
A-	49-9042	Maintenance & Repair Workers, General	9,069	14.89	\$30,850	Moderate-term on-the-job training	8.52
A-	53-3032	Truck Drivers, Heavy & Tractor-Trailer	14,745	16.42	\$36,170	Moderate-term on-the-job training	4.92
A-	47-2061	Construction Laborers	4,842	15.21	\$34,240	Moderate-term on-the-job training	4.83
A-	47-2081	Drywall & Ceiling Tile Installers	1,165	21.65	\$41,550	Moderate-term on-the-job training	2.33
A-	47-2082	Tapers	541	21.42	\$47,290	Moderate-term on-the-job training	2.33
A-	47-2211	Sheet Metal Workers	1,937	15.28	\$42,560	Moderate-term on-the-job training	1.77

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B+	29-1069	Physicians & Surgeons, All Other	ND	ND	ND	First professional degree	96.89
B+	19-3021	Market Research Analysts	690	10.21	\$48,710	Master's degree	79.04
B+	21-1023	Mental Health & Substance Abuse Social Workers	1,046	29.83	\$33,990	Master's degree	73.83
B+	21-1011	Substance Abuse & Behavioral Disorder Counselors	649	29.36	\$31,990	Master's degree	69.81
B+	21-1012	Educational, Vocational, & School Counselors	1,596	11.39	\$40,380	Master's degree	69.81
B+	21-1014	Mental Health Counselors	601	33.71	\$37,390	Master's degree	69.81
B+	25-2032	Vocational Education Teachers, Secondary School	1,312	8.67	\$38,750	BA or higher degree, plus work exp.	94.91
B+	13-1111	Management Analysts	2,041	14.61	\$61,870	BA or higher degree, plus work exp.	76.83
B+	11-9041	Engineering Managers	1,041	9.08	\$82,220	BA or higher degree, plus work exp.	75.53
B+	11-2021	Marketing Managers	1,398	13.95	\$75,540	BA or higher degree, plus work exp.	67.16
B+	11-3040	Human Resources Managers	1,386	14.48	\$64,320	BA or higher degree, plus work exp.	60.81
B+	11-3011	Administrative Services Managers	2,103	14.57	\$49,300	BA or higher degree, plus work exp.	40.56
B+	11-9011	Farm, Ranch, & Other Agricultural Managers	692	11.98	\$42,570	BA or higher degree, plus work exp.	21.37
B+	19-2031	Chemists	516	9.07	\$51,680	Bachelor's degree	93.97
B+	25-2021	Elementary School Teachers, Except Special Education	12,363	14.62	\$35,130	Bachelor's degree	91.85
B+	25-2022	Middle School Teachers, Except Special & Vocational Education	4,529	8.39	\$36,060	Bachelor's degree	91.85
B+	25-2042	Special Education Teachers, Middle School	1,130	30.04	\$33,540	Bachelor's degree	90.22
B+	25-2043	Special Education Teachers, Secondary School	1,420	28.34	\$34,530	Bachelor's degree	90.22
B+	17-2051	Civil Engineers	956	10.64	\$60,000	Bachelor's degree	88.11
B+	27-3043	Writers & Authors	664	10.43	\$40,950	Bachelor's degree	83.84
B+	41-9031	Sales Engineers	547	14.63	\$61,480	Bachelor's degree	79.87
B+	21-1021	Child, Family, & School Social Workers	2,120	15.55	\$29,280	Bachelor's degree	73.83
B+	21-1022	Medical & Public Health Social Workers	1,075	23.22	\$36,930	Bachelor's degree	73.83
B+	11-9151	Social & Community Service Managers	1,173	15.99	\$37,730	Bachelor's degree	71.12
B+	21-9099	Counselors, Social, & Religious Workers, All Other (OES Only)	1,820	26.04	\$29,290	Bachelor's degree	69.81
B+	17-2112	Industrial Engineers	1,203	10.22	\$61,560	Bachelor's degree	68.33
B+	21-1092	Probation Officers & Correctional Treatment Specialists	ND	ND	ND	Bachelor's degree	60.76
B+	13-1071	Employment, Recruitment, & Placement Specialists	1,139	12.77	\$38,690	Bachelor's degree	55.70
B+	25-2012	Kindergarten Teachers, Except Special Education	1,568	26.32	\$32,510	Bachelor's degree	47.24
B+	13-2099	Financial Specialists, All Other	756	13.83	\$47,340	Bachelor's degree	45.23
B+	11-3051	Industrial Production Managers	1,147	9.36	\$66,010	Bachelor's degree	40.53
B+	11-9141	Property, Real Estate, & Community Association Managers	1,897	19.54	\$38,300	Bachelor's degree	37.68
B+	23-2011	Paralegals & Legal Assistants	1,171	28.40	\$35,700	Associate degree	42.22
B+	29-1126	Respiratory Therapists	1,270	32.14	\$38,050	Associate degree	27.62
B+	29-2034	Radiologic Technologists & Technicians	1,541	21.72	\$37,000	Associate degree	23.63

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B+	31-2021	Physical Therapist Assistants	702	37.37	\$35,310	Associate degree	22.50
B+	17-3023	Electrical & Electronic Engineering Technicians	781	11.76	\$40,200	Associate degree	16.67
B+	13-2021	Appraisers & Assessors of Real Estate	696	23.11	\$36,540	Postsecondary vocational training	55.44
B+	43-6012	Legal Secretaries	1,567	18.27	\$34,840	Postsecondary vocational training	15.86
B+	29-2055	Surgical Technologists	662	28.04	\$29,550	Postsecondary vocational training	12.30
B+	29-2061	Licensed Practical & Licensed Vocational Nurses	6,056	11.38	\$28,660	Postsecondary vocational training	5.13
B+	49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equipment	583	11.04	\$38,590	Postsecondary vocational training	5.10
B+	49-3031	Bus & Truck Mechanics & Diesel Engine Specialists	2,415	12.69	\$33,200	Postsecondary vocational training	3.43
B+	49-3023	Automotive Service Technicians & Mechanics	7,061	11.98	\$31,860	Postsecondary vocational training	3.17
B+	25-1194	Vocational Education Teachers, Postsecondary	979	30.32	\$34,580	Work experience in a related occupation	89.76
B+	25-3021	Self-Enrichment Education Teachers	1,510	33.61	\$30,160	Work experience in a related occupation	55.19
B+	13-1023	Purchasing Agents, Except Wholesale, Retail, & Farm Products	1,494	9.83	\$44,550	Work experience in a related occupation	36.91
B+	11-3071	Transportation, Storage, & Distribution Managers	763	11.32	\$61,850	Work experience in a related occupation	22.19
B+	37-1012	First-Line Sup./Managers of L&scaping & Law n Service Workers	808	21.52	\$35,110	Work experience in a related occupation	19.81
B+	53-1031	First-Line Sup./Managers of Transportation/Material-Moving Mach. Op.	1,136	8.13	\$41,950	Work experience in a related occupation	13.51
B+	13-1041	Compliance Officers, Except Agric., Const., Health/ Safety, & Trans.	694	8.05	\$46,600	Long-term on-the-job training	57.29
B+	13-1031	Claims Adjusters, Examiners, & Investigators	1,232	14.56	\$41,610	Long-term on-the-job training	43.72
B+	51-8031	Water & Liquid Waste Treatment Plant & System Op.	744	15.77	\$30,550	Long-term on-the-job training	7.54
B+	49-9052	Telecommunications Line Installers & Repairers	1,182	8.20	\$40,570	Long-term on-the-job training	5.33
B+	49-9041	Industrial Mach.ry Mechanics	1,035	13.01	\$39,110	Long-term on-the-job training	5.29
B+	47-2021	Brickmasons & Blockmasons	1,145	11.13	\$44,180	Long-term on-the-job training	3.48
B+	51-4121	Welders, Cutters, Solderers, & Brazers	3,742	12.28	\$30,460	Long-term on-the-job training	2.18
B+	17-3031	Surveying & Mapping Technicians	697	24.58	\$34,680	Moderate-term on-the-job training	7.16
B+	47-2041	Carpet Installers	810	14.63	\$40,860	Moderate-term on-the-job training	3.95
B+	47-2181	Roofers	1,551	14.84	\$35,580	Moderate-term on-the-job training	3.24
B+	47-2051	Cement Masons & Concrete Finishers	1,583	26.31	\$34,960	Moderate-term on-the-job training	1.97
B+	53-7032	Excavating & Loading Mach. & Dragline Op.	678	14.86	\$30,540	Moderate-term on-the-job training	0.66
B+	37-3013	Tree Trimmers & Pruners	655	27.25	\$30,230	Short-term on-the-job training	5.75
B	29-1011	Chiropractors	382	15.66	\$89,260	First professional degree	97.87
B	29-1063	Internists, General	320	17.91	\$164,330	First professional degree	96.89
B	29-1064	Obstetricians & Gynecologists	181	19.71	\$194,790	First professional degree	96.89
B	29-1066	Psychiatrists	193	19.29	\$136,700	First professional degree	96.89
B	29-1067	Surgeons	448	20.62	\$203,240	First professional degree	96.89
B	29-1061	Anesthesiologists	ND	ND	ND	First professional degree	96.89
B	25-1112	Law Teachers, Postsecondary	108	34.39	\$87,850	First professional degree	89.76

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B	19-1021	Biochemists & Biophysicists	ND	ND	ND	Doctoral degree	95.89
B	25-1031	Architecture Teachers, Postsecondary	57	30.56	\$57,430	Doctoral degree	89.76
B	25-1041	Agricultural Sciences Teachers, Postsecondary	250	28.75	\$62,540	Doctoral degree	89.76
B	25-1042	Biological Science Teachers, Postsecondary	452	30.89	\$49,040	Doctoral degree	89.76
B	25-1051	Atmospheric, Earth, Marine, & Space Sci. Teachers, Postsecondary	93	29.94	\$61,730	Doctoral degree	89.76
B	25-1052	Chemistry Teachers, Postsecondary	372	31.92	\$54,470	Doctoral degree	89.76
B	25-1054	Physics Teachers, Postsecondary	197	31.77	\$54,800	Doctoral degree	89.76
B	25-1061	Anthropology & Archeology Teachers, Postsecondary	39	28.57	\$58,970	Doctoral degree	89.76
B	25-1062	Area, Ethnic, & Cultural Studies Teachers, Postsecondary	31	31.58	\$49,300	Doctoral degree	89.76
B	25-1063	Economics Teachers, Postsecondary	162	31.02	\$59,470	Doctoral degree	89.76
B	25-1064	Geography Teachers, Postsecondary	49	29.79	\$53,090	Doctoral degree	89.76
B	25-1065	Political Science Teachers, Postsecondary	132	33.76	\$52,340	Doctoral degree	89.76
B	25-1066	Psychology Teachers, Postsecondary	406	33.33	\$50,080	Doctoral degree	89.76
B	25-1067	Sociology Teachers, Postsecondary	150	32.84	\$44,560	Doctoral degree	89.76
B	25-1082	Library Science Teachers, Postsecondary	55	29.25	\$44,370	Doctoral degree	89.76
B	25-1111	Criminal Justice & Law Enforcement Teachers, Postsecondary	101	30.37	\$44,370	Doctoral degree	89.76
B	25-1113	Social Work Teachers, Postsecondary	77	32.14	\$55,110	Doctoral degree	89.76
B	25-1122	Communications Teachers, Postsecondary	300	33.33	\$46,050	Doctoral degree	89.76
B	25-1125	History Teachers, Postsecondary	265	33.97	\$46,120	Doctoral degree	89.76
B	25-1126	Philosophy & Religion Teachers, Postsecondary	274	36.96	\$48,800	Doctoral degree	89.76
B	25-1032	Engineering Teachers, Postsecondary	ND	ND	ND	Doctoral degree	89.76
B	25-1043	Forestry & Conservation Science Teachers, Postsecondary	ND	ND	ND	Doctoral degree	89.76
B	25-1053	Environmental Science Teachers, Postsecondary	ND	ND	ND	Doctoral degree	89.76
B	15-1011	Computer & Information Scientists, Research	53	19.77	\$74,190	Doctoral degree	62.44
B	19-1041	Epidemiologists	ND	ND	ND	Master's degree	97.68
B	29-1121	Audiologists	71	19.75	\$44,880	Master's degree	97.14
B	19-2041	Environmental Scientists & Specialists, Including Health	362	18.56	\$40,080	Master's degree	92.25
B	25-1124	Foreign Language & Literature Teachers, Postsecondary	210	33.87	\$43,410	Master's degree	89.76
B	25-1192	Home Economics Teachers, Postsecondary	46	26.88	\$48,400	Master's degree	89.76
B	25-1193	Recreation & Fitness Studies Teachers, Postsecondary	219	31.05	\$44,430	Master's degree	89.76
B	21-1013	Marriage & Family Therapists	178	18.29	\$38,700	Master's degree	74.64
B	11-9031	Education Administrators, Preschool & Child Care Center/Program	424	21.51	\$39,240	BA or higher degree, plus work exp.	73.53
B	19-1099	Life Scientists, All Other	ND	ND	ND	Bachelor's degree	97.68
B	25-1191	Graduate Teaching Assistants	ND	ND	ND	Bachelor's degree	89.76
B	17-1012	L&scape Architects	122	25.00	\$47,740	Bachelor's degree	87.23

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B	17-2081	Environmental Engineers	333	35.55	\$58,420	Bachelor's degree	85.87
B	25-9199	Library, Museum, Training, & Other Ed. Workers, All Other (OES Only)	162	23.44	\$43,000	Bachelor's degree	84.63
B	17-2031	Biomedical Engineers	18	21.74	\$57,910	Bachelor's degree	74.89
B	15-1021	Computer Programmers	3,276	3.98	\$59,460	Bachelor's degree	70.08
B	27-3042	Technical Writers	263	15.46	\$44,270	Bachelor's degree	69.42
B	29-1071	Physician Assistants	431	39.49	\$56,280	Bachelor's degree	67.40
B	13-2041	Credit Analysts	466	16.86	\$44,600	Bachelor's degree	56.34
B	25-3999	Teachers, Primary, Secondary, & Adult, All Other (OES Only)	2,554	37.84	\$27,010	Bachelor's degree	55.19
B	27-1025	Interior Designers	293	15.88	\$48,290	Bachelor's degree	53.08
B	39-9032	Recreation Workers	2,587	19.45	\$20,260	Bachelor's degree	47.40
B	41-3021	Insurance Sales Agents	4,617	4.70	\$49,060	Bachelor's degree	43.38
B	19-4092	Forensic Science Technicians	ND	ND	ND	Associate degree	45.68
B	29-1124	Radiation Therapists	197	30.71	\$46,490	Associate degree	40.96
B	29-2032	Diagnostic Medical Sonographers	319	19.22	\$47,870	Associate degree	23.63
B	29-2033	Nuclear Medicine Technologists	104	16.50	\$48,740	Associate degree	21.34
B	17-3025	Environmental Engineering Technicians	77	24.12	\$39,810	Associate degree	16.23
B	25-2011	Preschool Teachers, Except Special Education	3,855	22.88	\$20,950	Postsecondary vocational training	47.24
B	23-2091	Court Reporters	ND	ND	ND	Postsecondary vocational training	33.64
B	13-1061	Emergency Management Specialists	74	28.77	\$40,560	Work experience in a related occupation	49.33
B	11-9199	Managers, All Other	2,824	1.66	\$63,270	Work experience in a related occupation	47.99
B	33-1011	First-Line Supervisors/Managers of Correctional Officers	ND	ND	ND	Work experience in a related occupation	25.75
B	33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	334	14.84	\$39,570	Work experience in a related occupation	22.79
B	35-1012	First-Line Supervisors/Managers of Food Prep. & Serving Workers	6,059	15.11	\$23,530	Work experience in a related occupation	13.50
B	27-2021	Athletes & Sports Competitors	ND	ND	ND	Long-term on-the-job training	59.74
B	51-8092	Gas Plant Op.	71	19.01	\$44,980	Long-term on-the-job training	6.43
B	47-2171	Reinforcing Iron & Rebar Workers	303	17.33	\$47,650	Long-term on-the-job training	5.58
B	35-2014	Cooks, Restaurant	7,580	18.40	\$18,540	Long-term on-the-job training	5.27
B	47-2044	Tile & Marble Setters	132	25.71	\$42,050	Long-term on-the-job training	3.95
B	47-2053	Terrazzo Workers & Finishers	ND	ND	ND	Long-term on-the-job training	1.97
B	21-1093	Social & Human Service Assistants	3,039	38.95	\$22,390	Moderate-term on-the-job training	60.76
B	43-4051	Customer Service Representatives	14,473	18.87	\$26,950	Moderate-term on-the-job training	21.45
B	31-9092	Medical Assistants	4,736	50.83	\$23,020	Moderate-term on-the-job training	13.52
B	33-3012	Correctional Officers & Jailers	ND	ND	ND	Moderate-term on-the-job training	10.00
B	31-9091	Dental Assistants	3,914	47.24	\$25,630	Moderate-term on-the-job training	8.41
B	47-4041	Hazardous Materials Removal Workers	292	28.22	\$40,630	Moderate-term on-the-job training	7.73

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B	47-2072	Pile-Driver Op.	9	21.74	\$51,510	Moderate-term on-the-job training	2.35
B	41-2021	Counter & Rental Clerks	4,788	22.18	\$20,040	Short-term on-the-job training	22.79
B	43-3011	Bill & Account Collectors	3,162	23.21	\$26,300	Short-term on-the-job training	18.70
B	53-3033	Truck Drivers, Light or Delivery Services	4,432	14.80	\$26,280	Short-term on-the-job training	13.22
B	33-9032	Security Guards	7,848	22.36	\$22,370	Short-term on-the-job training	12.79
B	43-4171	Receptionists & Information Clerks	9,323	22.03	\$20,540	Short-term on-the-job training	11.78
B	31-1012	Nursing Aides, Orderlies, & Attendants	12,068	18.14	\$18,280	Short-term on-the-job training	5.92
B	37-3011	L&scaping & Groundskeeping Workers	6,841	19.72	\$21,210	Short-term on-the-job training	5.75
B	37-2011	Janitors & Cleaners, Except Maids & Housekeeping Cleaners	16,396	17.41	\$18,880	Short-term on-the-job training	3.46
B	51-9111	Packaging & Filling Mach. Op. & Tenders	3,149	17.14	\$24,570	Short-term on-the-job training	2.77
B-	29-1065	Pediatricians, General	208	14.10	\$165,820	First professional degree	96.89
B-	29-1020	Dentists	676	7.46	\$139,270	First professional degree	95.48
B-	29-1041	Optometrists	225	10.32	\$99,060	First professional degree	83.63
B-	19-1022	Microbiologists	85	13.90	\$49,750	Doctoral degree	95.89
B-	19-3099	Social Scientists & Related Workers, All Other	278	7.83	\$55,500	Master's degree	99.39
B-	19-2043	Hydrologists	21	10.67	\$61,570	Master's degree	92.25
B-	19-3011	Economists	83	8.04	\$79,770	Master's degree	90.44
B-	19-3091	Anthropologists & Archeologists	14	8.33	\$52,320	Master's degree	81.93
B-	19-3092	Geographers	3	8.33	\$52,100	Master's degree	81.93
B-	23-1023	Judges, Magistrate Judges, & Magistrates	ND	ND	ND	BA or higher degree, plus work exp.	97.77
B-	15-2011	Actuaries	115	10.05	\$85,940	BA or higher degree, plus work exp.	88.35
B-	11-9121	Natural Sciences Managers	204	7.84	\$80,680	BA or higher degree, plus work exp.	86.98
B-	11-3061	Purchasing Managers	620	1.78	\$58,290	BA or higher degree, plus work exp.	53.97
B-	17-2041	Chemical Engineers	335	8.77	\$76,940	Bachelor's degree	92.87
B-	19-2032	Materials Scientists	10	8.70	\$62,540	Bachelor's degree	91.23
B-	17-2171	Petroleum Engineers	25	9.84	\$58,090	Bachelor's degree	82.89
B-	17-2072	Electronics Engineers, Except Computer	428	11.06	\$64,810	Bachelor's degree	80.45
B-	17-2141	Mechanical Engineers	1,017	5.76	\$61,090	Bachelor's degree	77.26
B-	17-2199	Engineers, All Other	389	9.78	\$63,070	Bachelor's degree	77.00
B-	13-2031	Budget Analysts	244	10.63	\$53,390	Bachelor's degree	75.14
B-	17-2021	Agricultural Engineers	ND	ND	ND	Bachelor's degree	74.89
B-	29-9091	Athletic Trainers	111	28.25	\$36,890	Bachelor's degree	73.30
B-	17-2131	Materials Engineers	93	11.98	\$56,770	Bachelor's degree	69.61
B-	17-2111	Health /Safety Engineers, Except Mining Safety Eng. & Inspectors	158	10.55	\$54,950	Bachelor's degree	68.33
B-	13-1121	Meeting & Convention Planners	473	21.84	\$33,420	Bachelor's degree	57.94

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
B-	19-4091	Environmental Science & Protection Technicians, Including Health	154	32.13	\$37,260	Associate degree	45.68
B-	29-2031	Cardiovascular Technologists & Technicians	305	29.06	\$33,340	Associate degree	23.63
B-	31-2011	Occupational Therapist Assistants	223	38.80	\$37,500	Associate degree	17.12
B-	29-2071	Medical Records & Health Information Technicians	2,218	36.13	\$25,200	Associate degree	16.37
B-	39-9031	Fitness Trainers & Aerobics Instructors	1,710	25.79	\$23,800	Postsecondary vocational training	47.40
B-	29-9199	Health Professionals & Technicians, All Other (OES Only)	940	25.52	\$27,600	Postsecondary vocational training	21.97
B-	31-9094	Medical Transcriptionists	1,032	23.09	\$26,420	Postsecondary vocational training	13.52
B-	29-2041	Emergency Medical Technicians & Paramedics	1,898	24.19	\$26,520	Postsecondary vocational training	12.66
B-	29-2054	Respiratory Therapy Technicians	395	32.41	\$30,780	Postsecondary vocational training	12.30
B-	39-5091	Makeup Artists, Theatrical & Performance	ND	ND	ND	Postsecondary vocational training	8.67
B-	49-2098	Security & Fire Alarm Systems Installers	313	22.73	\$29,360	Postsecondary vocational training	6.20
B-	43-1011	First-Line Supervisors/Managers of Office & Admin. Support Workers	7,646	3.13	\$37,550	Work experience in a related occupation	27.34
B-	41-1011	First-Line Supervisors/Managers of Retail Sales Workers	9,884	5.87	\$31,820	Work experience in a related occupation	24.52
B-	53-5021	Captains, Mates, & Pilots of Water Vessels	135	9.58	\$50,950	Work experience in a related occupation	13.94
B-	51-8093	Petroleum Pump System Op., Refinery Op., & Gaugers	ND	ND	ND	Long-term on-the-job training	4.87
B-	47-4021	Elevator Installers & Repairers	159	9.42	\$55,290	Long-term on-the-job training	0.30
B-	39-9041	Residential Advisors	518	28.34	\$21,670	Moderate-term on-the-job training	24.95
B-	43-6011	Executive Secretaries & Administrative Assistants	5,973	3.93	\$32,090	Moderate-term on-the-job training	15.86
B-	47-5012	Rotary Drill Op., Oil & Gas	ND	ND	ND	Moderate-term on-the-job training	12.39
B-	29-2052	Pharmacy Technicians	2,113	26.67	\$20,190	Moderate-term on-the-job training	12.30
B-	43-4121	Library Assistants, Clerical	817	22.13	\$19,480	Short-term on-the-job training	30.04
B-	41-2031	Retail Salespersons	39,217	10.90	\$21,020	Short-term on-the-job training	25.12
B-	39-9099	Personal Care & Service Workers, All Other	560	21.94	\$21,420	Short-term on-the-job training	21.02
B-	31-9099	Healthcare Support Workers, All Other	865	21.53	\$23,560	Short-term on-the-job training	13.52
B-	53-5099	Water Transportation Workers, All Other (OES Only)	ND	ND	ND	Short-term on-the-job training	13.51
B-	43-3071	Tellers	6,808	13.94	\$19,140	Short-term on-the-job training	12.74
B-	49-9096	Riggers	ND	ND	ND	Short-term on-the-job training	8.57
B-	53-7064	Packers & Packagers, H&	4,925	8.22	\$17,910	Short-term on-the-job training	4.11

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
C+	35-9031	Hosts & Hostesses, Restaurant, Lounge, & Coffee Shop	3,062	20.36	\$16,220	Short-term on-the-job training	19.63
C+	25-9041	Teacher Assistants	6,318	21.45	\$16,540	Short-term on-the-job training	16.27
C+	35-3031	Waiters & Waitresses	31,820	19.20	\$15,120	Short-term on-the-job training	12.54
C+	39-9021	Personal & Home Care Aides	5,183	22.89	\$16,150	Short-term on-the-job training	8.22
C+	43-5052	Postal Service Mail Carriers	2,443	(0.26)	\$38,790	Short-term on-the-job training	7.84
C+	31-1011	Home Health Aides	3,544	22.65	\$17,010	Short-term on-the-job training	5.92
C+	35-2021	Food Preparation Workers	6,723	16.67	\$16,380	Short-term on-the-job training	5.41
C+	35-3021	Combined Food Preparation & Serving Workers, Including Fast Food	35,622	22.78	\$14,830	Short-term on-the-job training	5.28
C	21-2011	Clergy	2,055	14.10	\$35,100	First professional degree	77.82
C	19-3051	Urban & Regional Planners	219	12.58	\$47,640	Master's degree	95.53
C	19-2042	Geoscientists, Except Hydrologists & Geographers	51	10.50	\$44,100	Master's degree	92.25
C	25-4021	Librarians	1,180	8.03	\$37,170	Master's degree	76.47
C	21-1091	Health Educators	347	19.19	\$32,630	Master's degree	57.88
C	27-2012	Producers & Directors	291	8.84	\$39,260	BA or higher degree, plus work exp.	73.27
C	13-1011	Agents & Business Managers of Artists, Performers, & Athletes	92	18.03	\$35,930	BA or higher degree, plus work exp.	65.58
C	27-2041	Music Directors & Composers	437	13.99	\$40,290	BA or higher degree, plus work exp.	52.90
C	17-2011	Aerospace Engineers	ND	ND	ND	Bachelor's degree	81.75
C	17-1021	Cartographers & Photogrammetrists	125	13.79	\$45,560	Bachelor's degree	74.56
C	17-1022	Surveyors	309	8.75	\$41,300	Bachelor's degree	74.56
C	17-1099	Architects, Surveyors, & Cartographers, All Other (OES Only)	17	10.26	\$42,300	Bachelor's degree	74.56
C	29-9010	Occupational Health & Safety Specialists & Technicians	294	12.59	\$45,100	Bachelor's degree	73.30
C	27-1021	Commercial & Industrial Designers	210	10.22	\$46,350	Bachelor's degree	53.08
C	27-1024	Graphic Designers	1,091	11.82	\$36,300	Bachelor's degree	53.08
C	13-2053	Insurance Underwriters	473	11.59	\$47,750	Bachelor's degree	52.97
C	13-2071	Loan Counselors	305	16.21	\$37,870	Bachelor's degree	50.28
C	27-4032	Film & Video Editors	87	12.94	\$40,750	Bachelor's degree	50.11
C	19-4099	Life, Physical, & Social Science Technicians, All Other	542	14.53	\$34,400	Associate degree	45.68
C	27-4012	Broadcast Technicians	232	15.21	\$28,130	Associate degree	36.43
C	17-3099	Drafters, Engineering, & Mapping Technicians, All Other (OES Only)	443	9.48	\$39,720	Associate degree	23.53
C	17-3022	Civil Engineering Technicians	301	9.21	\$39,950	Associate degree	16.67
C	17-3024	Electro-Mechanical Technicians	113	12.43	\$44,130	Associate degree	16.67
C	17-3026	Industrial Engineering Technicians	313	11.99	\$40,360	Associate degree	16.67
C	17-3027	Mechanical Engineering Technicians	231	12.45	\$43,860	Associate degree	16.67
C	49-9062	Medical Equipment Repairers	326	11.15	\$46,200	Associate degree	14.97
C	31-9011	Massage Therapists	388	18.42	\$30,550	Postsecondary vocational training	35.31

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
C	27-4014	Sound Engineering Technicians	139	16.08	\$37,960	Postsecondary vocational training	33.32
C	53-5031	Ship Engineers	ND	ND	ND	Postsecondary vocational training	13.88
C	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	782	10.50	\$36,280	Postsecondary vocational training	5.66
C	33-9021	Private Detectives & Investigators	209	19.77	\$33,170	Work experience in a related occupation	45.76
C	41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	1,754	0.80	\$50,120	Work experience in a related occupation	36.37
C	13-1021	Purchasing Agents & Buyers, Farm Products	212	11.37	\$41,920	Work experience in a related occupation	24.64
C	11-9051	Food Service Managers	1,818	10.87	\$36,550	Work experience in a related occupation	24.41
C	33-2021	Fire Inspectors & Investigators	96	12.88	\$47,620	Work experience in a related occupation	16.37
C	33-2022	Forest Fire Inspectors & Prevention Specialists	ND	ND	ND	Work experience in a related occupation	16.37
C	39-1021	First-Line Supervisors/Managers of Personal Service Workers	733	14.39	\$28,090	Work experience in a related occupation	14.78
C	35-1011	Chefs & Head Cooks	1,738	14.87	\$24,910	Work experience in a related occupation	14.33
C	53-1021	First-Line Sup./Managers of Helpers, Laborers, & Material Movers	1,077	8.91	\$34,410	Work experience in a related occupation	13.51
C	45-1011	First-Line Sup./Managers of Farming, Fishing, & Forestry Workers	253	15.21	\$34,880	Work experience in a related occupation	10.38
C	27-3091	Interpreters & Translators	103	14.92	\$38,170	Long-term on-the-job training	52.75
C	13-1032	Insurance Appraisers, Auto Damage	70	11.81	\$44,950	Long-term on-the-job training	43.72
C	27-4011	Audio & Video Equipment Technicians	427	19.46	\$36,510	Long-term on-the-job training	36.43
C	33-3052	Transit & Railroad Police	8	11.54	\$44,490	Long-term on-the-job training	26.85
C	33-3031	Fish & Game Wardens	ND	ND	ND	Long-term on-the-job training	24.00
C	51-4012	Numerical Tool & Process Control Programmers	154	13.73	\$39,380	Long-term on-the-job training	4.99
C	51-8099	Plant & System Op., All Other	196	8.74	\$46,320	Long-term on-the-job training	4.87
C	47-2121	Glaziers	256	12.98	\$41,670	Long-term on-the-job training	4.77
C	49-3021	Automotive Body & Related Repairers	1,563	12.14	\$38,350	Long-term on-the-job training	4.47
C	49-9051	Electrical Power-Line Installers & Repairers	1,016	6.02	\$47,200	Long-term on-the-job training	4.28
C	51-4041	Machinists	2,820	7.16	\$32,160	Long-term on-the-job training	3.70
C	47-2022	Stonemasons	40	11.18	\$38,720	Long-term on-the-job training	3.48
C	49-3051	Motorboat Mechanics	239	14.74	\$28,970	Long-term on-the-job training	2.45
C	49-9044	Millwrights	396	8.65	\$47,590	Long-term on-the-job training	0.50
C	41-3011	Advertising Sales Agents	898	6.91	\$39,820	Moderate-term on-the-job training	50.78
C	27-4099	Media & Communication Equipment Workers, All Other	131	12.34	\$38,630	Moderate-term on-the-job training	49.09
C	41-9011	Demonstrators & Product Promoters	1,113	15.95	\$25,600	Moderate-term on-the-job training	35.22
C	51-9061	Inspectors, Testers, Sorters, Samplers, & Weighers	2,353	2.64	\$32,370	Moderate-term on-the-job training	13.37
C	43-5032	Dispatchers, Except Police, Fire, & Ambulance	1,509	10.33	\$33,810	Moderate-term on-the-job training	12.18
C	43-5031	Police, Fire, & Ambulance Dispatchers	759	15.81	\$22,760	Moderate-term on-the-job training	12.18
C	49-9011	Mechanical Door Repairers	93	15.15	\$35,910	Moderate-term on-the-job training	10.81
C	49-9092	Commercial Divers	ND	ND	ND	Moderate-term on-the-job training	8.57

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
C	51-9197	Tire Builders	ND	ND	ND	Moderate-term on-the-job training	5.98
C	47-2141	Painters, Construction & Maintenance	2,111	11.02	\$37,410	Moderate-term on-the-job training	5.93
C	49-9091	Coin, Vending, & Amusement Mach. Servicers & Repairers	525	12.03	\$28,520	Moderate-term on-the-job training	5.11
C	51-4011	Computer-Controlled Mach. Tool Op., Metal & Plastic	665	10.47	\$29,520	Moderate-term on-the-job training	4.99
C	47-2042	Floor Layers, Except Carpet, Wood, & Hard Tiles	ND	ND	ND	Moderate-term on-the-job training	3.95
C	47-2130	Insulation Workers	349	14.27	\$44,120	Moderate-term on-the-job training	3.38
C	47-5051	Rock Splitters, Quarry	51	20.00	\$37,160	Moderate-term on-the-job training	3.25
C	51-9121	Coating, Painting, & Spraying Mach. Setters, Op., & Tenders	806	10.11	\$29,680	Moderate-term on-the-job training	2.49
C	51-9122	Painters, Transportation Equipment	629	12.46	\$36,810	Moderate-term on-the-job training	2.49
C	47-4051	Highway Maintenance Workers	818	15.28	\$24,330	Moderate-term on-the-job training	1.86
C	53-7021	Crane & Tower Op.	171	16.29	\$34,960	Moderate-term on-the-job training	1.65
C	47-2071	Paving, Surfacing, & Tamping Equipment Op.	453	18.26	\$32,090	Moderate-term on-the-job training	0.16
C	25-4031	Library Technicians	934	16.23	\$22,290	Short-term on-the-job training	42.34
C	43-5061	Production, Planning, & Expediting Clerks	1,947	11.66	\$35,150	Short-term on-the-job training	27.84
C	33-9099	Protective Service Workers, All Other	3,525	9.94	\$21,560	Short-term on-the-job training	23.12
C	43-4161	Human Resources Assistants, Except Payroll & Timekeeping	1,329	11.25	\$30,300	Short-term on-the-job training	22.39
C	43-4111	Interviewers, Except Eligibility & Loan	1,701	20.08	\$22,900	Short-term on-the-job training	19.60
C	43-4031	Court, Municipal, & License Clerks	ND	ND	ND	Short-term on-the-job training	14.01
C	43-5111	Weighers, Measurers, Checkers, & Samplers, Recordkeeping	643	16.50	\$25,400	Short-term on-the-job training	13.00
C	53-3099	Motor Vehicle Op., All Other	641	18.34	\$20,610	Short-term on-the-job training	10.24
C	53-6041	Traffic Technicians	ND	ND	ND	Short-term on-the-job training	8.40
C	41-2011	Cashiers	39,985	9.46	\$15,640	Short-term on-the-job training	8.29
C	35-3022	Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	6,687	11.11	\$15,830	Short-term on-the-job training	7.88
C	35-9011	Dining Room & Cafeteria Attendants & Bartender Helpers	4,411	13.64	\$14,590	Short-term on-the-job training	7.03
C	47-3012	Helpers--Carpenters	819	15.54	\$24,460	Short-term on-the-job training	6.07
C	53-7051	Industrial Truck & Tractor Op.	3,865	8.40	\$26,040	Short-term on-the-job training	3.33
C	49-9043	Maintenance Workers, Machinery	566	10.53	\$33,100	Short-term on-the-job training	2.16
C	51-9031	Cutters & Trimmers, H&	ND	ND	ND	Short-term on-the-job training	1.87
C	49-9098	Helpers--Installation, Maintenance, & Repair Workers	1,257	17.41	\$25,140	Short-term on-the-job training	0.87
C-	27-3041	Editors	877	0.31	\$46,360	Bachelor's degree	81.28
C-	49-3011	Aircraft Mechanics & Service Technicians	594	(8.03)	\$43,160	Postsecondary vocational training	11.23
C-	13-1022	Wholesale & Retail Buyers, Except Farm Products	668	(0.59)	\$42,420	Work experience in a related occupation	35.00
C-	53-4011	Locomotive Engineers	ND	ND	ND	Work experience in a related occupation	5.94
C-	49-2022	Telecom. Equipment Installers & Repairers, Except Line Installers	1,219	(3.84)	\$42,360	Long-term on-the-job training	11.00
C-	51-4111	Tool & Die Makers	580	(4.28)	\$41,450	Long-term on-the-job training	5.20

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
D+	19-3022	Survey Researchers	105	9.86	\$28,560	Master's degree	77.63
D+	21-1015	Rehabilitation Counselors	1,211	11.87	\$26,440	Master's degree	69.81
D+	25-2023	Vocational Education Teachers, Middle School	81	8.71	\$35,720	BA or higher degree, plus work exp.	91.85
D+	29-1031	Dietitians & Nutritionists	404	13.99	\$37,610	Bachelor's degree	57.50
D+	25-3011	Adult Literacy, Remedial Education, & GED Teachers & Instructors	346	12.29	\$34,760	Bachelor's degree	55.19
D+	27-1027	Set & Exhibit Designers	27	10.71	\$37,250	Bachelor's degree	48.39
D+	19-4021	Biological Technicians	100	12.17	\$33,660	Associate degree	58.99
D+	29-2012	Medical & Clinical Laboratory Technicians	1,718	13.66	\$26,140	Associate degree	49.73
D+	19-4011	Agricultural & Food Science Technicians	118	13.65	\$33,110	Associate degree	39.28
D+	41-9022	Real Estate Sales Agents	923	5.21	\$38,370	Postsecondary vocational training	40.74
D+	17-3011	Architectural & Civil Drafters	879	7.29	\$37,500	Postsecondary vocational training	23.53
D+	49-2011	Computer, Automated Teller, & Office Mach. Repairers	542	6.56	\$34,720	Postsecondary vocational training	22.02
D+	43-9031	Desktop Publishers	282	13.43	\$28,290	Postsecondary vocational training	16.29
D+	43-6013	Medical Secretaries	1,851	8.74	\$23,410	Postsecondary vocational training	15.86
D+	49-2096	Electronic Equipment Installers & Repairers, Motor Vehicles	92	10.65	\$31,510	Postsecondary vocational training	2.53
D+	43-4141	New Accounts Clerks	907	14.17	\$25,050	Work experience in a related occupation	15.97
D+	37-1011	First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	2,092	13.90	\$27,450	Work experience in a related occupation	8.64
D+	27-3099	Media & Communication Workers, All Other	117	14.58	\$33,980	Long-term on-the-job training	53.69
D+	29-2081	Opticians, Dispensing	509	12.11	\$21,850	Long-term on-the-job training	17.68
D+	51-5022	Prepress Technicians & Workers	499	(17.57)	\$28,930	Long-term on-the-job training	12.95
D+	51-7032	Patternmakers, Wood	30	12.68	\$29,190	Long-term on-the-job training	10.44
D+	51-3011	Bakers	1,082	10.10	\$20,800	Long-term on-the-job training	5.98
D+	47-2161	Plasterers & Stucco Masons	117	12.24	\$37,730	Long-term on-the-job training	2.67
D+	13-2082	Tax Preparers	445	9.23	\$33,300	Moderate-term on-the-job training	54.01
D+	41-9012	Models	ND	ND	ND	Moderate-term on-the-job training	35.22
D+	39-2011	Animal Trainers	95	13.03	\$29,420	Moderate-term on-the-job training	24.23
D+	43-9011	Computer Op.	984	(20.75)	\$29,560	Moderate-term on-the-job training	20.40
D+	43-9041	Insurance Claims & Policy Processing Clerks	1,033	3.65	\$30,090	Moderate-term on-the-job training	16.15
D+	43-3051	Payroll & Timekeeping Clerks	1,166	2.56	\$28,630	Moderate-term on-the-job training	15.23
D+	43-5011	Cargo & Freight Agents	317	9.62	\$33,520	Moderate-term on-the-job training	13.15
D+	49-9012	Control & Valve Installers & Repairers, Except Mechanical Door	235	14.41	\$37,680	Moderate-term on-the-job training	9.89
D+	53-3021	Bus Drivers, Transit & Intercity	936	7.30	\$28,120	Moderate-term on-the-job training	6.96
D+	51-2099	Assemblers & Fabricators, All Other	1,607	(7.87)	\$38,530	Moderate-term on-the-job training	4.97
D+	51-9199	Production Workers, All Other	1,871	2.20	\$32,450	Moderate-term on-the-job training	4.66
D+	47-2151	Pipelayers	311	14.27	\$35,140	Moderate-term on-the-job training	4.16

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
D+	51-5023	Printing Mach. Op.	966	(4.06)	\$31,830	Moderate-term on-the-job training	4.11
D+	47-5031	Explosives Workers, Ordnance Handling Experts, & Blasters	127	12.30	\$33,240	Moderate-term on-the-job training	3.85
D+	51-9023	Mixing & Blending Mach. Setters, Op., & Tenders	684	(3.66)	\$29,100	Moderate-term on-the-job training	3.59
D+	51-4081	Multiple Mach. Tool Setters, Op., & Tenders, Metal & Plastic	747	11.07	\$25,040	Moderate-term on-the-job training	3.34
D+	51-4072	Molding, Coremaking, & Casting Mach. Setters, Op.	1,335	9.50	\$22,480	Moderate-term on-the-job training	2.87
D+	51-3023	Slaughterers & Meat Packers	1,259	14.07	\$18,480	Moderate-term on-the-job training	2.59
D+	51-4061	Model Makers, Metal & Plastic	87	8.96	\$38,300	Moderate-term on-the-job training	2.43
D+	51-4021	Extruding & Drawing Mach. Setters, Op., & Tenders	1,037	9.71	\$24,480	Moderate-term on-the-job training	0.10
D+	51-2041	Structural Metal Fabricators & Fitters	509	0.28	\$29,150	Moderate-term on-the-job training	0.00
D+	43-9999	Secretaries, Admin. Assistants, & Other Office Support(OES Only)	738	(6.04)	\$30,090	Short-term on-the-job training	32.63
D+	43-4999	Financial, Information, & Record Clerks, All Other (OES Only)	880	(2.98)	\$31,700	Short-term on-the-job training	22.92
D+	41-9091	Door-To-Door Sales Workers, New s/Street Vendors, & Related	632	(18.49)	\$35,150	Short-term on-the-job training	22.57
D+	43-4081	Hotel, Motel, & Resort Desk Clerks	1,979	10.05	\$16,300	Short-term on-the-job training	15.95
D+	43-5053	Postal Service Mail Sorters, Processors, & Processing Mach. Op.	1,730	(10.23)	\$34,180	Short-term on-the-job training	14.72
D+	39-3091	Amusement & Recreation Attendants	1,644	11.02	\$15,600	Short-term on-the-job training	13.69
D+	53-3041	Taxi Drivers & Chauffeurs	713	10.18	\$18,970	Short-term on-the-job training	13.22
D+	39-2021	Nonfarm Animal Caretakers	1,068	9.41	\$17,660	Short-term on-the-job training	12.70
D+	53-7081	Refuse & Recyclable Material Collectors	925	11.36	\$24,300	Short-term on-the-job training	6.42
D+	31-1013	Psychiatric Aides	721	10.59	\$21,170	Short-term on-the-job training	5.92
D+	35-2015	Cooks, Short Order	1,618	8.24	\$16,450	Short-term on-the-job training	5.27
D+	45-2093	Farmworkers, Farm & Ranch Animals	599	11.79	\$21,520	Short-term on-the-job training	4.61
D+	51-3092	Food Batchmakers	747	12.85	\$25,720	Short-term on-the-job training	4.50
D+	51-3091	Food/Tobacco Roasting, Baking, & Drying Mach. Op. & Tenders	88	8.90	\$28,360	Short-term on-the-job training	4.20
D+	51-3022	Meat, Poultry, & Fish Cutters & Trimmers	1,875	12.69	\$18,850	Short-term on-the-job training	2.59
D	29-1131	Veterinarians	352	6.52	\$57,410	First professional degree	98.76
D	29-1081	Podiatrists	78	6.80	\$150,010	First professional degree	98.66
D	19-2012	Physicists	ND	ND	ND	Doctoral degree	93.54
D	19-3032	Industrial-Organizational Psychologists	ND	ND	ND	Master's degree	99.39
D	19-3041	Sociologists	ND	ND	ND	Master's degree	89.48
D	15-2021	Mathematicians	ND	ND	ND	Master's degree	68.31
D	15-2031	Operations Research Analysts	190	5.65	\$53,890	Master's degree	58.34
D	23-1022	Arbitrators, Mediators, & Conciliators	8	7.14	\$51,480	BA or higher degree, plus work exp.	97.77
D	23-1021	Administrative Law Judges, Adjudicators, & Hearing Officers	ND	ND	ND	BA or higher degree, plus work exp.	97.77
D	27-1011	Art Directors	236	2.46	\$62,460	BA or higher degree, plus work exp.	58.50
D	19-2099	Physical Scientists, All Other	117	5.26	\$67,470	Bachelor's degree	97.97

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
D	19-1023	Zoologists & Wildlife Biologists	ND	ND	ND	Bachelor's degree	95.89
D	19-2021	Atmospheric & Space Scientists	79	(2.50)	\$59,440	Bachelor's degree	90.44
D	17-2161	Nuclear Engineers	ND	ND	ND	Bachelor's degree	89.14
D	17-2071	Electrical Engineers	414	2.76	\$61,370	Bachelor's degree	80.45
D	53-2011	Airline Pilots, Copilots, & Flight Engineers	ND	ND	ND	Bachelor's degree	76.11
D	17-2121	Marine Engineers & Naval Architects	ND	ND	ND	Bachelor's degree	74.89
D	17-2151	Mining & Geological Engineers, Including Mining Safety Engineers	ND	ND	ND	Bachelor's degree	74.89
D	17-2061	Computer Hardware Engineers	72	6.01	\$60,910	Bachelor's degree	68.62
D	13-2061	Financial Examiners	171	4.46	\$67,750	Bachelor's degree	65.27
D	19-1010	Agricultural & Food Scientists	65	6.79	\$51,560	Bachelor's degree	62.27
D	49-2095	Electrical & Electronics Repairers, Powerhouse, Substation, & Relay	74	1.94	\$50,700	Postsecondary vocational training	5.10
D	41-9021	Real Estate Brokers	279	(0.57)	\$71,700	Work experience in a related occupation	40.74
D	11-9071	Gaming Managers	24	3.67	\$63,590	Work experience in a related occupation	16.22
D	53-6051	Transportation Inspectors	113	1.81	\$50,030	Work experience in a related occupation	14.40
D	53-4031	Railroad Conductors & Yardmasters	265	(21.08)	\$49,450	Work experience in a related occupation	10.87
D	53-4012	Locomotive Firers	ND	ND	ND	Work experience in a related occupation	5.94
D	53-2021	Air Traffic Controllers	109	4.78	\$84,130	Long-term on-the-job training	49.09
D	51-8012	Power Distributors & Dispatchers	91	2.24	\$49,910	Long-term on-the-job training	12.35
D	51-8011	Nuclear Power Reactor Op.	ND	ND	ND	Long-term on-the-job training	12.18
D	43-6014	Secretaries, Except Legal, Medical, & Executive	6,369	(6.75)	\$24,530	Moderate-term on-the-job training	15.86
D	43-3031	Bookkeeping, Accounting, & Auditing Clerks	7,118	(0.22)	\$26,210	Moderate-term on-the-job training	15.84
D	39-3199	Gaming Workers, All Other (OES Only)	ND	ND	ND	Moderate-term on-the-job training	13.28
D	37-2021	Pest Control Workers	ND	ND	ND	Moderate-term on-the-job training	5.39
D	35-2012	Cooks, Institution & Cafeteria	4,099	(2.68)	\$17,530	Moderate-term on-the-job training	5.27
D	51-2092	Team Assemblers	8,558	(4.00)	\$26,720	Moderate-term on-the-job training	4.97
D	31-2022	Physical Therapist Aides	311	31.38	\$21,510	Short-term on-the-job training	22.50
D	31-2012	Occupational Therapist Aides	95	30.04	\$25,400	Short-term on-the-job training	17.12
D	43-9061	Office Clerks, General	21,079	7.29	\$22,740	Short-term on-the-job training	16.71
D	39-9011	Child Care Workers	6,608	2.40	\$16,370	Short-term on-the-job training	12.70
D	39-3093	Locker Room, Coatroom, & Dressing Room Attendants	ND	ND	ND	Short-term on-the-job training	9.11
D	43-5081	Stock Clerks & Order Fillers	10,903	(7.06)	\$21,210	Short-term on-the-job training	8.57
D	35-2011	Cooks, Fast Food	5,196	7.66	\$14,550	Short-term on-the-job training	5.27
D	37-2012	Maids & Housekeeping Cleaners	7,602	3.50	\$15,910	Short-term on-the-job training	4.61
D	53-7062	Laborers & Freight, Stock, & Material Movers, H&	13,655	(0.96)	\$22,370	Short-term on-the-job training	4.51
D	35-9021	Dishwashers	5,124	7.15	\$14,890	Short-term on-the-job training	3.05

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
D-	15-2041	Statisticians	82	(1.29)	\$45,980	Master's degree	82.93
D-	19-3094	Political Scientists	ND	ND	ND	Master's degree	81.93
D-	15-2099	Mathematical Science Occupations, All Other	5	5.56	\$47,390	Master's degree	68.31
D-	27-3020	News Analysts, Reporters & Correspondents	459	0.05	\$39,020	BA or higher degree, plus work exp.	86.93
D-	25-9021	Farm & Home Management Advisors	ND	ND	ND	Bachelor's degree	84.63
D-	15-2091	Mathematical Technicians	ND	ND	ND	Bachelor's degree	68.31
D-	19-1031	Conservation Scientists	133	0.90	\$45,020	Bachelor's degree	67.05
D-	19-1032	Foresters	ND	ND	ND	Bachelor's degree	67.05
D-	27-1099	Art & Design Workers, All Other (OES Only)	143	(0.37)	\$38,790	Bachelor's degree	58.50
D-	13-2081	Tax Examiners, Collectors, & Revenue Agents	385	3.82	\$41,470	Bachelor's degree	53.30
D-	29-2091	Orthotists & Prosthetists	34	7.75	\$45,130	Bachelor's degree	21.97
D-	11-9061	Funeral Directors	256	2.55	\$41,370	Associate degree	39.22
D-	19-4051	Nuclear Technicians	ND	ND	ND	Associate degree	34.19
D-	19-4031	Chemical Technicians	467	7.15	\$41,980	Associate degree	28.65
D-	17-3021	Aerospace Engineering & Operations Technicians	ND	ND	ND	Associate degree	16.23
D-	29-2056	Veterinary Technologists & Technicians	315	15.64	\$24,890	Associate degree	12.30
D-	53-2012	Commercial Plots	273	(12.55)	\$47,540	Postsecondary vocational training	76.11
D-	17-3012	Electrical & Electronics Drafters	230	0.75	\$39,870	Postsecondary vocational training	23.53
D-	17-3013	Mechanical Drafters	305	(0.55)	\$39,590	Postsecondary vocational training	23.53
D-	49-2099	Electrical/Electronic Equip. Mechanics, Installers, & Repairers(OES Only)	ND	ND	ND	Postsecondary vocational training	11.00
D-	49-2091	Avionics Technicians	83	(1.47)	\$46,410	Postsecondary vocational training	6.52
D-	49-2093	Electrical & Electronics Installers & Repairers, Transp. Equipment	ND	ND	ND	Postsecondary vocational training	6.52
D-	39-5012	Hairdressers, Hairstylists, & Cosmetologists	2,439	(1.77)	\$21,120	Postsecondary vocational training	4.13
D-	11-9131	Postmasters & Mail Superintendents	160	(0.24)	\$45,800	Work experience in a related occupation	48.35
D-	39-1011	Gaming Supervisors	106	3.20	\$40,960	Work experience in a related occupation	33.10
D-	53-4021	Railroad Brake, Signal, & Switch Op.	ND	ND	ND	Work experience in a related occupation	11.55
D-	53-4013	Rail Yard Engineers, Dinkey Op., & Hostlers	ND	ND	ND	Work experience in a related occupation	5.94
D-	27-2023	Umpires, Referees, & Other Sports Officials	95	16.42	\$26,440	Long-term on-the-job training	60.85
D-	53-2022	Airfield Operations Specialists	ND	ND	ND	Long-term on-the-job training	49.09
D-	49-9069	Precision Instrument & Equipment Repairers, All Other	80	4.49	\$41,390	Long-term on-the-job training	17.98
D-	51-8013	Power Plant Op.	229	5.19	\$47,610	Long-term on-the-job training	12.18
D-	51-2011	Aircraft Structure, Surfaces, Rigging, & Systems Assemblers	ND	ND	ND	Long-term on-the-job training	4.87
D-	47-2011	Boilermakers	254	6.00	\$44,320	Long-term on-the-job training	2.80
D-	49-3092	Recreational Vehicle Service Technicians	225	19.18	\$24,530	Long-term on-the-job training	2.29
D-	49-3052	Motorcycle Mechanics	85	20.97	\$23,350	Long-term on-the-job training	2.11

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
D-	51-9011	Chemical Equipment Op. & Tenders	313	3.77	\$39,530	Moderate-term on-the-job training	17.47
D-	53-5022	Motorboat Op.	ND	ND	ND	Moderate-term on-the-job training	13.94
D-	33-9011	Animal Control Workers	140	15.95	\$24,990	Moderate-term on-the-job training	13.61
D-	29-2051	Dietetic Technicians	192	15.67	\$19,080	Moderate-term on-the-job training	12.30
D-	53-4099	Rail Transportation Workers, All Other	ND	ND	ND	Moderate-term on-the-job training	11.55
D-	33-3011	Bailiffs	127	15.43	\$27,660	Moderate-term on-the-job training	11.32
D-	45-4011	Forest & Conservation Workers	13	7.50	\$38,960	Moderate-term on-the-job training	10.57
D-	53-7071	Gas Compressor & Gas Pumping Station Op.	18	(2.53)	\$44,800	Moderate-term on-the-job training	8.98
D-	53-7072	Pump Op., Except Wellhead Pumpers	ND	ND	ND	Moderate-term on-the-job training	8.98
D-	49-9097	Signal & Track Switch Repairers	57	(18.52)	\$43,860	Moderate-term on-the-job training	8.57
D-	47-2142	Paperhangers	129	4.56	\$45,380	Moderate-term on-the-job training	7.25
D-	37-3012	Pesticide H&lers, Sprayers, & Applicators, Vegetation	300	16.24	\$25,400	Moderate-term on-the-job training	5.75
D-	45-2091	Agricultural Equipment Op.	379	15.66	\$15,290	Moderate-term on-the-job training	4.61
D-	53-7041	Hoist & Winch Op.	132	19.23	\$27,420	Moderate-term on-the-job training	2.55
D-	49-3053	Outdoor Power Equipment & Other Small Engine Mechanics	235	15.97	\$24,670	Moderate-term on-the-job training	0.75
D-	39-4021	Funeral Attendants	204	15.17	\$17,990	Short-term on-the-job training	20.57
D-	43-5051	Postal Service Clerks	320	(0.25)	\$39,110	Short-term on-the-job training	14.71
D-	31-9093	Medical Equipment Preparers	219	17.60	\$20,980	Short-term on-the-job training	13.52
D-	35-3011	Bartenders	3,765	4.33	\$17,170	Short-term on-the-job training	12.90
D-	53-3022	Bus Drivers, School	2,841	7.10	\$19,540	Short-term on-the-job training	6.96
D-	43-5071	Shipping, Receiving, & Traffic Clerks	3,179	(1.34)	\$24,370	Short-term on-the-job training	6.95
D-	53-6011	Bridge & Lock Tenders	13	(26.83)	\$41,710	Short-term on-the-job training	6.89
D-	47-3014	Helpers--Painters, Paperhangers, Plasterers, & Stucco Masons	151	16.54	\$26,900	Short-term on-the-job training	6.07
D-	47-3016	Helpers--Roofers	148	16.41	\$21,900	Short-term on-the-job training	6.07
D-	53-5011	Sailors & Marine Oilers	164	15.99	\$23,580	Short-term on-the-job training	5.43
D-	51-9198	Helpers--Production Workers	3,286	5.96	\$21,250	Short-term on-the-job training	5.39
D-	45-2092	Farmworkers & Laborers, Crop, Nursery, & Greenhouse	2,295	6.24	\$17,630	Short-term on-the-job training	4.61
D-	53-7061	Cleaners of Vehicles & Equipment	2,916	5.91	\$18,640	Short-term on-the-job training	4.53
D-	53-7111	Shuttle Car Op.	ND	ND	ND	Short-term on-the-job training	3.54
D-	51-6099	Textile, Apparel, & Furnishings Workers, All Other	62	16.03	\$19,480	Short-term on-the-job training	3.38
D-	33-9091	Crossing Guards	187	18.85	\$19,810	Short-term on-the-job training	0.65

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F+	25-4010	Archivists, Curators, & Museum Technicians	336	6.45	\$30,550	Master's degree	87.59
F+	19-3093	Historians	ND	ND	ND	Master's degree	81.93
F+	11-1031	Legislators	205	4.70	\$30,670	BA or higher degree, plus work exp.	97.77
F+	29-1125	Recreational Therapists	175	1.92	\$29,360	Bachelor's degree	65.16
F+	27-1014	Multi-Media Artists & Animators	343	1.63	\$35,730	Bachelor's degree	58.50
F+	27-1022	Fashion Designers	11	(5.06)	\$34,800	Bachelor's degree	53.08
F+	23-2092	Law Clerks	95	1.43	\$29,470	Bachelor's degree	33.64
F+	23-9099	Legal & Related Workers, All Other (OES Only)	308	(2.70)	\$37,210	Bachelor's degree	33.64
F+	19-4093	Forest & Conservation Technicians	47	(5.03)	\$30,400	Associate degree	40.14
F+	19-4041	Geological & Petroleum Technicians	ND	ND	ND	Associate degree	27.30
F+	51-9141	Semiconductor Processors	ND	ND	ND	Associate degree	7.46
F+	41-3041	Travel Agents	529	(14.43)	\$26,110	Postsecondary vocational training	28.01
F+	39-4011	Embalmers	80	4.40	\$32,270	Postsecondary vocational training	20.57
F+	51-9071	Jewelers & Precious Stone & Metal Workers	79	(2.51)	\$36,250	Postsecondary vocational training	13.70
F+	39-3011	Gaming Dealers	760	3.66	\$20,520	Postsecondary vocational training	13.28
F+	49-2021	Radio Mechanics	26	(30.16)	\$33,950	Postsecondary vocational training	11.00
F+	39-5094	Skin Care Specialists	128	9.11	\$26,850	Postsecondary vocational training	8.67
F+	49-2097	Electronic Home Entertainment Equipment Installers & Repairers	209	4.34	\$28,290	Postsecondary vocational training	7.12
F+	49-2092	Electric Motor, Power Tool, & Related Repairers	144	4.32	\$32,330	Postsecondary vocational training	6.90
F+	11-9081	Lodging Managers	196	0.17	\$37,310	Work experience in a related occupation	47.47
F+	45-2011	Agricultural Inspectors	81	7.42	\$30,290	Work experience in a related occupation	31.99
F+	53-1011	Aircraft Cargo Handling Supervisors	56	1.33	\$33,520	Work experience in a related occupation	13.51
F+	27-2011	Actors	83	(5.22)	\$31,940	Long-term on-the-job training	66.36
F+	27-1013	Fine Artists, Including Painters, Sculptors, & Illustrators	216	7.76	\$32,080	Long-term on-the-job training	58.50
F+	27-4021	Photographers	687	(1.19)	\$26,500	Long-term on-the-job training	53.10
F+	39-6031	Flight Attendants	ND	ND	ND	Long-term on-the-job training	36.73
F+	27-3010	Announcers	536	(3.55)	\$27,180	Long-term on-the-job training	23.04
F+	51-9082	Medical Appliance Technicians	43	8.39	\$27,530	Long-term on-the-job training	15.43
F+	49-9064	Watch Repairers	17	(3.33)	\$31,830	Long-term on-the-job training	14.97
F+	51-9081	Dental Laboratory Technicians	172	1.64	\$30,490	Long-term on-the-job training	13.56
F+	51-8021	Stationary Engineers & Boiler Op.	177	4.57	\$37,930	Long-term on-the-job training	10.99
F+	51-7031	Model Makers, Wood	ND	ND	ND	Long-term on-the-job training	10.44
F+	49-3022	Automotive Glass Installers & Repairers	111	8.07	\$23,510	Long-term on-the-job training	9.71
F+	51-7011	Cabinetmakers & Bench Carpenters	1,290	5.49	\$25,020	Long-term on-the-job training	7.73
F+	51-8091	Chemical Plant & System Op.	456	(7.55)	\$37,890	Long-term on-the-job training	6.43

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F+	49-3043	Rail Car Repairers	35	(20.63)	\$38,090	Long-term on-the-job training	4.72
F+	49-9031	Home Appliance Repairers	218	(2.18)	\$32,860	Long-term on-the-job training	4.68
F+	51-3021	Butchers & Meat Cutters	513	(6.63)	\$25,210	Long-term on-the-job training	2.59
F+	25-9011	Audio-Visual Collections Specialists	13	7.14	\$36,620	Moderate-term on-the-job training	84.63
F+	27-4031	Camera Op., Television, Video, & Motion Picture	109	6.02	\$33,780	Moderate-term on-the-job training	57.30
F+	27-1026	Merch&ise Displayers & Window Trimmers	303	13.07	\$22,760	Moderate-term on-the-job training	53.08
F+	27-1023	Floral Designers	495	6.31	\$19,540	Moderate-term on-the-job training	53.08
F+	27-4013	Radio Op.	ND	ND	ND	Moderate-term on-the-job training	36.43
F+	39-6021	Tour Guides & Escorts	286	9.23	\$18,050	Moderate-term on-the-job training	34.66
F+	43-4061	Eligibility Interviewers, Government Programs	ND	ND	ND	Moderate-term on-the-job training	28.79
F+	43-9111	Statistical Assistants	27	(7.69)	\$36,100	Moderate-term on-the-job training	28.58
F+	43-4011	Brokerage Clerks	290	(10.83)	\$29,840	Moderate-term on-the-job training	27.92
F+	51-7042	Woodworking Mach. Setters, Op., & Tenders, Except Sawing	667	(1.77)	\$22,960	Moderate-term on-the-job training	21.96
F+	51-9012	Separating, Filtering, Clarifying, Precipitating, & Still Mach. Setters	387	7.17	\$30,030	Moderate-term on-the-job training	17.47
F+	43-3021	Billing & Posting Clerks & Mach. Op.	2,199	2.63	\$25,780	Moderate-term on-the-job training	16.80
F+	49-9061	Camera & Photographic Equipment Repairers	ND	ND	ND	Moderate-term on-the-job training	14.97
F+	43-9022	Word Processors & Typists	ND	ND	ND	Moderate-term on-the-job training	14.20
F+	43-9021	Data Entry Keyers	2,057	(9.38)	\$21,860	Moderate-term on-the-job training	13.87
F+	51-9083	Ophthalmic Laboratory Technicians	196	7.88	\$23,830	Moderate-term on-the-job training	13.56
F+	33-9031	Gaming Surveillance Officers & Gaming Investigators	55	3.74	\$28,260	Moderate-term on-the-job training	12.79
F+	29-2053	Psychiatric Technicians	ND	ND	ND	Moderate-term on-the-job training	12.30
F+	49-9093	Fabric Menders, Except Garment	8	0.00	\$29,570	Moderate-term on-the-job training	12.05
F+	49-9099	Installation, Maintenance, & Repair Workers, All Other	304	3.64	\$38,480	Moderate-term on-the-job training	12.05
F+	39-6012	Concierges	107	12.82	\$17,180	Moderate-term on-the-job training	12.02
F+	47-4061	Rail-Track Laying & Maintenance Equipment Op.	89	(17.60)	\$38,330	Moderate-term on-the-job training	9.63
F+	51-4194	Tool Grinders, Filers, & Sharpeners	264	(9.94)	\$29,130	Moderate-term on-the-job training	9.13
F+	51-5012	Bookbinders	36	(3.73)	\$28,430	Moderate-term on-the-job training	8.07
F+	47-4999	Construction Trades & Related Workers, All Other (OES Only)	384	13.50	\$27,900	Moderate-term on-the-job training	7.59
F+	47-4031	Fence Erectors	96	12.01	\$25,670	Moderate-term on-the-job training	7.02
F+	51-4023	Rolling Mach. Setters, Op., & Tenders, Metal & Plastic	150	7.91	\$23,060	Moderate-term on-the-job training	6.24
F+	45-2021	Animal Breeders	ND	ND	ND	Moderate-term on-the-job training	5.33
F+	49-9045	Refractory Materials Repairers, Except Brickmasons	ND	ND	ND	Moderate-term on-the-job training	5.29
F+	47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	280	13.30	\$26,430	Moderate-term on-the-job training	5.28
F+	51-6091	Extruding & Forming Mach. Setters, Op., Synthetic & Glass Fibers	22	9.33	\$19,310	Moderate-term on-the-job training	5.22
F+	41-2022	Parts Salespersons	1,691	(5.51)	\$26,430	Moderate-term on-the-job training	4.90

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F+	51-9193	Cooling & Freezing Equipment Op. & Tenders	77	11.92	\$27,570	Moderate-term on-the-job training	4.77
F+	45-9099	Farming, Fishing, & Forestry Workers, All Other (OES Only)	ND	ND	ND	Moderate-term on-the-job training	4.61
F+	47-5049	Mining Mach. Op., All Other	ND	ND	ND	Moderate-term on-the-job training	4.18
F+	45-4021	Fallers	24	11.11	\$22,710	Moderate-term on-the-job training	4.15
F+	45-4023	Log Graders & Scalers	34	10.26	\$27,670	Moderate-term on-the-job training	4.15
F+	49-9094	Locksmiths & Safe Repairers	194	13.22	\$28,020	Moderate-term on-the-job training	4.11
F+	53-7199	Material Moving Workers, All Other	285	(0.94)	\$30,640	Moderate-term on-the-job training	4.05
F+	51-6011	Laundry & Dry-Cleaning Workers	2,118	6.33	\$16,670	Moderate-term on-the-job training	4.00
F+	47-2043	Floor S&ers & Finishers	76	4.17	\$33,830	Moderate-term on-the-job training	3.95
F+	51-4051	Metal-Refining Furnace Op. & Tenders	ND	ND	ND	Moderate-term on-the-job training	3.87
F+	47-5061	Roof Bolters, Mining	ND	ND	ND	Moderate-term on-the-job training	3.85
F+	51-4192	Lay-Out Workers, Metal & Plastic	77	12.68	\$27,550	Moderate-term on-the-job training	3.70
F+	51-9022	Grinding & Polishing Workers, H&	153	4.38	\$30,700	Moderate-term on-the-job training	3.59
F+	53-7121	Tank Car, Truck, & Ship Loaders	116	5.11	\$29,510	Moderate-term on-the-job training	3.54
F+	47-5041	Continuous Mining Mach. Op.	33	10.84	\$27,830	Moderate-term on-the-job training	3.53
F+	49-3099	Vehicle & Mobile Equip. Mechanics, Installers, & Repairers(OES Only)	121	2.66	\$37,800	Moderate-term on-the-job training	3.17
F+	51-9192	Cleaning, Washing, & Metal Pickling Equipment Op. & Tenders	64	10.49	\$25,620	Moderate-term on-the-job training	3.10
F+	51-6031	Sewing Mach. Op.	768	(24.20)	\$18,570	Moderate-term on-the-job training	3.09
F+	51-4199	Metal Workers & Plastic Workers, All Other	196	4.45	\$31,680	Moderate-term on-the-job training	2.74
F+	51-4062	Patternmakers, Metal & Plastic	38	1.79	\$30,090	Moderate-term on-the-job training	2.43
F+	47-5099	Extraction Workers, All Other	ND	ND	ND	Moderate-term on-the-job training	2.37
F+	49-3091	Bicycle Repairers	ND	ND	ND	Moderate-term on-the-job training	2.29
F+	51-9196	Paper Goods Mach. Setters, Op., & Tenders	618	(1.38)	\$24,950	Moderate-term on-the-job training	2.22
F+	51-4034	Lathe & Turning Mach. Tool Setters, Op., & Tenders, Metal & Plastic	338	1.87	\$28,920	Moderate-term on-the-job training	1.70
F+	51-4031	Cutting/Punching/Press Mach. Setters, Op., & Tenders, Metal & Plastic	2,037	5.35	\$25,020	Moderate-term on-the-job training	1.51
F+	47-5021	Earth Drillers, Except Oil & Gas	114	7.54	\$30,120	Moderate-term on-the-job training	1.15
F+	53-7031	Dredge Op.	17	6.00	\$34,420	Moderate-term on-the-job training	0.66
F+	53-7033	Loading Mach. Op., Underground Mining	ND	ND	ND	Moderate-term on-the-job training	0.66
F+	33-3041	Parking Enforcement Workers	33	13.46	\$26,370	Short-term on-the-job training	24.00
F+	43-4131	Loan Interviewers & Clerks	805	(13.51)	\$27,510	Short-term on-the-job training	23.90
F+	43-4181	Reservation & Transportation Ticket Agents & Travel Clerks	745	(3.86)	\$24,430	Short-term on-the-job training	23.10
F+	39-3031	Ushers, Lobby Attendants, & Ticket Takers	1,258	4.44	\$15,190	Short-term on-the-job training	19.30
F+	43-4071	File Clerks	1,478	(5.74)	\$22,010	Short-term on-the-job training	14.80
F+	31-9095	Pharmacy Aides	252	12.36	\$19,580	Short-term on-the-job training	13.52
F+	31-9096	Veterinary Assistants & Laboratory Animal Caretakers	475	10.21	\$18,470	Short-term on-the-job training	13.52

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F+	43-3061	Procurement Clerks	462	(8.03)	\$29,050	Short-term on-the-job training	13.43
F+	43-4151	Order Clerks	1,760	(11.37)	\$24,720	Short-term on-the-job training	11.84
F+	41-9041	Telemarketers	1,611	(4.10)	\$21,140	Short-term on-the-job training	11.65
F+	43-2011	Switchboard Op., Including Answering Service	1,304	(2.77)	\$21,280	Short-term on-the-job training	11.41
F+	53-6021	Parking Lot Attendants	519	5.97	\$16,950	Short-term on-the-job training	10.35
F+	43-5021	Couriers & Messengers	512	(4.38)	\$19,850	Short-term on-the-job training	10.20
F+	43-9071	Office Mach. Op., Except Computer	574	(1.14)	\$25,060	Short-term on-the-job training	9.85
F+	43-2021	Telephone Op.	195	(61.32)	\$28,630	Short-term on-the-job training	9.70
F+	43-5199	Material Recording, Scheduling, Dispatching, & Distributing (OES Only)	150	(14.81)	\$30,640	Short-term on-the-job training	8.57
F+	51-5011	Bindery Workers	646	(18.53)	\$24,150	Short-term on-the-job training	8.07
F+	43-2099	Communications Equipment Op., All Other	ND	ND	ND	Short-term on-the-job training	7.99
F+	43-9051	Mail Clerks & Mail Mach. Op., Except Postal Service	1,340	(6.96)	\$21,700	Short-term on-the-job training	7.08
F+	53-6099	Transportation Workers, All Other	86	2.68	\$28,590	Short-term on-the-job training	6.34
F+	47-3013	Helpers--Electricians	381	11.39	\$24,560	Short-term on-the-job training	6.07
F+	53-6031	Service Station Attendants	1,341	5.74	\$18,330	Short-term on-the-job training	5.89
F+	51-2022	Electrical & Electronic Equipment Assemblers	1,199	(15.82)	\$22,410	Short-term on-the-job training	5.81
F+	51-2023	Electromechanical Equipment Assemblers	219	(9.19)	\$30,810	Short-term on-the-job training	5.81
F+	35-3041	Food Servers, Nonrestaurant	1,657	2.59	\$15,940	Short-term on-the-job training	5.63
F+	35-9099	Food Preparation & Serving Related Workers, All Other	463	13.51	\$15,950	Short-term on-the-job training	5.27
F+	53-3031	Driver/Sales Workers	1,730	3.05	\$23,630	Short-term on-the-job training	4.92
F+	51-3093	Food Cooking Mach. Op. & Tenders	342	13.84	\$23,220	Short-term on-the-job training	4.37
F+	43-5041	Meter Readers, Utilities	346	(11.50)	\$29,610	Short-term on-the-job training	4.07
F+	47-5081	Helpers--Extraction Workers	ND	ND	ND	Short-term on-the-job training	3.85
F+	47-3011	Helpers-Brickmasons, Blockmasons, Stonemasons, & Tile/Marble Setters	358	1.32	\$34,790	Short-term on-the-job training	3.75
F+	51-2031	Engine & Other Mach. Assemblers	255	(1.20)	\$28,460	Short-term on-the-job training	3.50
F+	37-9099	Building & Grounds Cleaning & Maintenance Workers (OES Only)	488	13.53	\$21,550	Short-term on-the-job training	3.46
F+	53-7063	Mach. Feeders & Offbearers	937	(1.02)	\$22,590	Short-term on-the-job training	3.25
F+	51-3099	Food Processing Workers, All Other (OES Only)	401	12.17	\$22,680	Short-term on-the-job training	2.59
F+	51-9123	Painting, Coating, & Decorating Workers	250	12.77	\$22,190	Short-term on-the-job training	2.49
F+	49-3093	Tire Repairers & Changers	1,139	4.59	\$20,100	Short-term on-the-job training	2.29
F	39-1012	Slot Key Persons	74	3.27	\$27,220	Postsecondary vocational training	33.10
F	39-5092	Manicurists & Pedicurists	76	4.76	\$19,460	Postsecondary vocational training	8.67
F	49-3041	Farm Equipment Mechanics	294	6.17	\$26,670	Postsecondary vocational training	5.66
F	39-5011	Barbers	177	(1.27)	\$25,400	Postsecondary vocational training	1.67
F	27-2032	Choreographers	278	4.76	\$25,250	Work experience in a related occupation	9.01

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F	45-2041	Graders & Sorters, Agricultural Products	278	6.26	\$17,900	Work experience in a related occupation	7.10
F	27-2099	Entertainers & Performers, Sports & Related Workers, All Other	66	1.67	\$18,970	Long-term on-the-job training	40.20
F	49-9063	Musical Instrument Repairers & Tuners	49	4.64	\$26,680	Long-term on-the-job training	14.97
F	51-6052	Tailors, Dressmakers, & Custom Sewers	177	(6.10)	\$21,500	Long-term on-the-job training	12.69
F	51-9194	Etchers & Engravers	57	1.00	\$23,570	Long-term on-the-job training	11.58
F	51-6041	Shoe & Leather Workers & Repairers	123	(23.53)	\$21,600	Long-term on-the-job training	9.51
F	27-2031	Dancers	397	6.51	\$26,420	Long-term on-the-job training	9.01
F	51-7021	Furniture Finishers	160	(0.76)	\$23,330	Long-term on-the-job training	6.48
F	51-5021	Job Printers	438	(0.43)	\$27,560	Long-term on-the-job training	6.45
F	51-6092	Fabric & Apparel Patternmakers	48	(13.73)	\$26,750	Long-term on-the-job training	5.22
F	51-6063	Textile Knitting & Weaving Mach. Setters, Op., & Tenders	17	4.81	\$19,520	Long-term on-the-job training	2.80
F	51-6093	Upholsterers	302	(10.43)	\$27,300	Long-term on-the-job training	0.00
F	39-6022	Travel Guides	27	2.11	\$25,710	Moderate-term on-the-job training	34.66
F	23-2093	Title Examiners, Abstractors, & Searchers	ND	ND	ND	Moderate-term on-the-job training	33.64
F	51-9131	Photographic Process Workers	188	(2.63)	\$21,840	Moderate-term on-the-job training	25.52
F	51-7099	Woodworkers, All Other	52	0.57	\$23,220	Moderate-term on-the-job training	20.37
F	51-9195	Molders, Shapers, & Casters, Except Metal & Plastic	294	5.01	\$24,440	Moderate-term on-the-job training	18.11
F	53-2099	Air Transportation Workers, All Other (OES Only)	51	(17.97)	\$25,700	Moderate-term on-the-job training	13.51
F	49-9095	Manufactured Building & Mobile Home Installers	110	(0.44)	\$24,930	Moderate-term on-the-job training	7.83
F	51-4193	Plating & Coating Mach. Setters, Op., & Tenders, Metal & Plastic	218	(0.40)	\$26,190	Moderate-term on-the-job training	6.26
F	51-4052	Pourers & Casters, Metal	118	(6.84)	\$25,350	Moderate-term on-the-job training	6.03
F	51-6042	Shoe Mach. Op. & Tenders	ND	ND	ND	Moderate-term on-the-job training	5.97
F	51-9051	Furnace, Kiln, Oven, Drier, & Kettle Op. & Tenders	89	(10.46)	\$27,560	Moderate-term on-the-job training	5.72
F	53-3011	Ambulance Drivers & Attendants, Excl. Emergency Medical Technicians	ND	ND	ND	Moderate-term on-the-job training	5.61
F	51-2091	Fiberglass Laminators & Fabricators	219	(7.67)	\$23,790	Moderate-term on-the-job training	4.97
F	51-2093	Timing Device Assemblers, Adjusters, & Calibrators	54	0.99	\$26,970	Moderate-term on-the-job training	4.97
F	51-9041	Extruding, Forming, Pressing/Compacting Mach. Setters, Op., & Tenders	396	1.85	\$27,330	Moderate-term on-the-job training	4.50
F	45-4022	Logging Equipment Op.	35	4.55	\$20,970	Moderate-term on-the-job training	4.17
F	51-5099	Printing Workers, All Other (OES Only)	66	1.50	\$22,030	Moderate-term on-the-job training	4.11
F	51-4032	Drilling & Boring Mach. Tool Setters, Op., & Tenders, Metal & Plastic	293	0.61	\$27,950	Moderate-term on-the-job training	3.98
F	51-4033	Grinding, Lapping, Polishing, & Buffing Mach. Tool Setters, Op., & Tenders	301	(0.06)	\$26,890	Moderate-term on-the-job training	3.63
F	51-9021	Crushing, Grinding, & Polishing Mach. Setters, Op., & Tenders	266	2.24	\$27,440	Moderate-term on-the-job training	3.59
F	51-4071	Foundry Mold & Coremakers	109	(3.42)	\$25,550	Moderate-term on-the-job training	3.54
F	47-5042	Mine Cutting & Channeling Mach. Op.	ND	ND	ND	Moderate-term on-the-job training	3.25
F	51-4191	Heat Treating Equipment Setters, Op., & Tenders, Metal & Plastic	242	3.94	\$26,200	Moderate-term on-the-job training	2.87

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education & Experience Typically Required	Pct BA/BS or Higher
F	51-4035	Milling & Planing Mach. Setters, Op., & Tenders, Metal & Plastic	147	6.01	\$24,010	Moderate-term on-the-job training	2.60
F	51-4122	Welding, Soldering, & Brazing Mach. Setters, Op., & Tenders	350	(0.16)	\$25,880	Moderate-term on-the-job training	2.18
F	51-9032	Cutting & Slicing Mach. Setters, Op., & Tenders	329	4.33	\$25,540	Moderate-term on-the-job training	1.87
F	51-6061	Textile Bleaching & Dyeing Mach. Op. & Tenders	5	(10.00)	\$18,850	Moderate-term on-the-job training	1.66
F	51-6062	Textile Cutting Mach. Setters, Op., & Tenders	115	(15.58)	\$20,110	Moderate-term on-the-job training	0.78
F	51-7041	Saw ing Mach. Setters, Op., & Tenders, Wood	385	(0.81)	\$21,270	Moderate-term on-the-job training	0.44
F	51-6064	Textile Winding, Tw isting, & Drawing Out Mach. Setters, Op., & Tenders	8	(2.22)	\$21,470	Moderate-term on-the-job training	0.40
F	51-4022	Forging Mach. Setters, Op., & Tenders, Metal & Plastic	173	(0.09)	\$27,330	Moderate-term on-the-job training	0.00
F	51-9191	Cementing & Gluing Mach. Op. & Tenders	207	(5.65)	\$24,500	Moderate-term on-the-job training	0.00
F	39-6032	Transportation Attendants, Except Flight Attendants & Baggage Porters	ND	ND	ND	Short-term on-the-job training	36.73
F	43-9081	Proofreaders & Copy Markers	115	(14.97)	\$25,000	Short-term on-the-job training	34.02
F	51-9132	Photographic Processing Mach. Op.	467	4.58	\$20,020	Short-term on-the-job training	25.52
F	43-4041	Credit Authorizers, Checkers, & Clerks	344	(7.19)	\$25,970	Short-term on-the-job training	18.06
F	43-4021	Correspondence Clerks	159	(7.87)	\$26,100	Short-term on-the-job training	14.70
F	43-3041	Gaming Cage Workers	280	(6.43)	\$21,560	Short-term on-the-job training	13.91
F	39-3092	Costume Attendants	43	7.63	\$25,330	Short-term on-the-job training	13.69
F	39-6011	Baggage Porters & Bellhops	200	(8.99)	\$22,890	Short-term on-the-job training	9.65
F	41-2012	Gaming Change Persons & Booth Cashiers	331	3.80	\$19,850	Short-term on-the-job training	8.61
F	51-2021	Coil Winders, Tapers, & Finishers	330	(11.91)	\$24,450	Short-term on-the-job training	5.81
F	47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, & Steamfitters	176	4.16	\$26,900	Short-term on-the-job training	5.44
F	47-3019	Helpers, Construction Trades, All Other	152	5.21	\$25,270	Short-term on-the-job training	3.75
F	53-7011	Conveyor Op. & Tenders	314	6.22	\$27,330	Short-term on-the-job training	3.54
F-	39-3012	Gaming & Sports Book Writers & Runners	ND	ND	ND	Postsecondary vocational training	13.28
F-	51-6051	Sew ers, H&	58	(5.69)	\$16,850	Short-term on-the-job training	12.69
F-	39-3021	Motion Picture Projectionists	105	(17.73)	\$15,180	Short-term on-the-job training	10.15
F-	39-5093	Shampooers	13	0.00	\$15,830	Short-term on-the-job training	8.67
F-	51-6021	Pressers, Textile, Garment, & Related Materials	224	(1.19)	\$17,150	Short-term on-the-job training	1.84

Acknowledgements

June, 2005

Reporting by
Mary Bruton

Analysis by
David Peters, Mary Bruton, & Amy Miller

580 Harry S. Truman Building
Missouri Economic Research and Information Center
Missouri Department of Economic Development
Jefferson City, MO 65102

TEL: (573) 751-3635
E-MAIL: mary.bruton@ded.mo.gov
WEB: www.missourieconomy.org

